

1.	PBAE-PEG-based lipid nanoparticles for lung cell-specific gene delivery Bingxin Liu, Yamato Sajiki, Nicole Littlefield, Yongan Hu, William D. Stuart, Anusha Sridharan, Xuemei Cui, Matthew E. Siefert, Koichi Araki, Assem G. Ziady, Donglu Shi, Jeffery A. Whitsett, and Yutaka Maeda <i>Molecular Therapy</i> , 33 (3) ,1154 DOI: 10.1016/j.ymthe.2025.01.037(2025)
2.	Lipid Nanoparticle Delivery of iMDK Induces ATF3-Mediated Apoptosis in Sotorasib-Resistant KRAS Mutant Lung Cancer Bingxin Liu, Iris M. Fink-Baldauf, William D. Stuart, Cheng Jiang, Anjaparavanda P. Naren, Donglu Shi, Minzhe Guo, Jeffrey A. Whitsett, and Yutaka Maeda <i>Molecular Pharmaceutics</i> DOI: 10.1021/acs.molpharmaceut.5c00550 (2025)
3.	Celebrating 15 years of Nanotechnology Advancements Donglu Shi and Martin L Yarmush <i>Nano LIFE</i> , https://doi.org/10.1142/S1793984425020015 (2025)
4.	Lock-in Thermography Characterization of Photothermal Transparent Thin Films G. Butler, H. Carter, D. Bajrami, S. Shrestha, D. Shi and M. Bonmarin <i>IEEE Xplore</i> , doi: 10.1109/I2MTC62753.2025.11079103 (2025)
5.	Monitoring Escherichia coli in Water through Real-Time Loop-Mediated Isothermal Amplification on Biochips, Wang, Y.; Chan, Y.-S.; Lee, E.; Shi, D.; Lee, C.-Y.; Diao, J. <i>Micromachines</i> 2024, 15(9), 1112; https://doi.org/10.3390/mi15091112(2024)
6.	Fluorinated amphiphilic Poly(β -Amino ester) nanoparticle for highly efficient and specific delivery of nucleic acids to the Lung capillary endothelium Zicheng Deng, Wen Gao, Fatemeh Kohram, Enhong Li, Tanya V. Kalin, Donglu Shi, Vladimir V. Kalinichenko <i>Bioactive Materials</i> , 31, 1–17 (2024)
7.	Sustainable synthesis of carbon dots via bio-waste recycling for biomedical imaging Yuxin Wang, Matthew Chae, Teak-Jung Oh, Kangqiang Qiu, Kritika Mehta, Adrian Tan, Nien-Pei Tsai, Donglu Shi, Kai Zhang, Jiajie Diao <i>Smart Medicine</i> , e20240012. (2024) https://doi.org/10.1002/SMMD.20240012
8.	Biomedical Applications of Cold Atmospheric Plasma: Cancer Therapy and Virus Inactivation Som Thomas, Yuxin Wang, Donglu Shi <i>Nano LIFE</i> , 2430003 (2024) DOI: 10.1142/S1793984424300036
9.	Photothermal Utility Heating with Diffused Indoor Light via Multiple Transparent Fe ₃ O ₄ @Cu ₂ -xS Thin Films Anudeep Katepalli, Neshwanth Kumar Tene, Yuxin Wang, Anton Harfmann, Mathias Bonmarin, John Krupczak, and Donglu Shi <i>Energy Technol.</i> 2024, 2400703, https://doi.org/10.1002/ente.202400703
10.	A photothermal solar tunnel via multiple transparent Fe ₃ O ₄ films for heating utility application Anudeep Katepalli, Yuxin Wang, a, Jou Lin, Anton Harfmann, Mathias Bonmarin, John Krupczak, Donglu Shi <i>Solar Energy</i> 271 112444 (2024) https://doi.org/10.1016/j.solener.2024.112444
11.	Solar harvesting through multiple semi-transparent cadmium telluride solar panels for collective energy generation Anudeep Katepalli, Yuxin Wang, Donglu Shi <i>Solar Energy</i> 264 (2023) 112047
12.	Programmable Digital-Microfluidic Biochips for SARS-CoV-2 Detection Yuxin Wang, Y S Chan, Matthew Chae, Donglu Shi, Chen-Yi Lee and Jiajie Diao <i>Bioengineering</i> 2023, 10(8), 923; https://doi.org/10.3390/bioengineering10080923

13.	Lung endothelial cells regulate pulmonary fibrosis through FOXF1/R-Ras signaling Fenghua Bian, Ying-Wei Lan, Shuyang Zhao, Zicheng Deng, Samriddhi Shukla, Anusha Acharya, Johnny Donovan, Tien Le, David Milewski, Matthew Bacchetta, Ahmed Emad Hozain, Yuliya Tipograf, Ya-Wen Chen, Yan Xu, Donglu Shi, Vladimir V Kalinichenko, Tanya V Kalin <i>Nature Communications</i> , https://doi.org/10.1038/s41467-023-38177-2 (2023)
14.	Synergistic photothermal-thermoelectric-photovoltaic energy generation via a transparent spectral modulating solar module Mengyao Lyu, Jou Lin, Yuxin Wang, John Krupczak, and Donglu Shi <i>Solar Energy</i> Volume 258, 1 July 2023, Pages 220-231 (2023)
15.	Improving anti-tumor efficacy of low-dose Vincristine in rhabdomyosarcoma via the combination therapy with FOXM1 inhibitor RCM1 .Frontiers in Oncology Johnny Donovan, Zicheng Deng, Fenghua Bian, Samriddhi Shukla, Jose Gomez-Arroyo, Donglu Shi, Vladimir V. Kalinichenko, and Tanya V. Kalin <i>Frontiers in Oncology</i> ,13 https://doi.org/10.3389/fonc.2023.1112859 (2023)
16.	Enhanced Silicon Photovoltaic Efficiency by Solar Light Spectral Modulation via Photonically Tuned Porphyrin–Iron Oxide Hybrid Thin Films Mengyao Lyu, Jou Lin, Yuxin Wang, Ovais Aulakh, Nathan Ceja, Mary Sheryl Ramesh, Elisabeth Salazar, John Krupczak, and Donglu Shi <i>Energy Technology</i> , 2300144 (2023)
17.	3D Solar Harvesting and Energy Generation via Multilayers of Transparent Porphyrin and Iron Oxide Thin Films Jou Lin, Mengyao Lyu and Donglu Shi <i>Energies</i> , 16 (317) (2023) https://doi.org/10.3390/en16073173
18.	Inactivation of SARS - CoV - 2 on Surfaces by Cold - Plasma - Generated Reactive Species Som V. Thomas, Krista Dienger-Stambaugh, Michael Jordan, Yuxin Wang, Jason Hammonds, Paul Spearman, and Donglu Shi <i>Bioengineering</i> , 10, 280. https://doi.org/10.3390/bioengineering10030280 (2023)
19.	Effect of Dipole Interactions on Blocking Temperature and Relaxation Dynamics of Superparamagnetic Iron-Oxide (Fe ₃ O ₄) Nanoparticle Systems Md Ehsan Sadat, Sergey L. Bud'ko, Rodney C. Ewing, Hong Xu, Giovanni M. Pauletti, David B. Mast and Donglu Shi <i>Materials</i> , 16, 496. https://doi.org/10.3390/ma16020496 (2023)
20.	Demonstration of Safety in Wild Type Mice of npFOXF1, a Novel Nanoparticle-Based Gene Therapy for Alveolar Capillary Dysplasia with Misaligned Pulmonary Veins .Biologics: Targets and Therapy Fatemeh Kohram, Zicheng Deng, Yufang Zhang, Abid A Al Reza, Enhong Li, Olena A Kolesnichenko, Samriddhi Shukla, Vladimir Ustiyani, Jose Gomez- Arroyo, Anusha Acharya, Donglu Shi, Vladimir V Kalinichenko & Alan P Kenny <i>Biologics: Targets and Therapy</i> , 17, 43—55 (2023) https://doi.org/10.2147/BTT.S400006
21.	Progress in Circulating Tumor Cell Isolation: A Biomarkerless Approach Zicheng Deng, Shengming Wu, Yilong Wang, Donglu Shi <i>eBioMedicine</i> , 83, 104237, (2022)
22.	Solar harvesting and energy generating building skins with photothermal-photovoltaic due modality based on porphyrin thin films Jou Lin, John Krupczak, Donglu Shi <i>MRS Communications</i> , (2022) https://doi.org/10.1557/s43579-022-00299-x
23.	Ultralong-Term Super-Resolution Tracking of Lysosomes in Brain Organoids by Near-Infrared Noble Metal Nanoclusters Kangqiang Qiu, Aditya Yadav, Zhiqi Tian, Ziyuan Guo, Donglu Shi, Chayan K. Nandi, and Jiajie Diao <i>ACS Materials Lett.</i> https://doi.org/10.1021/acsmaterialslett.2c00436 (2022)
24.	Entrapment of Airborne Particles via Simulated Highway Noise-Induced Piezoelectricity in PMMA and EPDM

	Mengyao Lyu, Som V. Thomas, Heng Wei, Julian Wang, Tiina A. Reponen, Patrick H. Ryan, and Donglu Shi <i>Energies</i> , 2022, 15, 4935. https://doi.org/10.3390/en15144935 (2022)
25.	Transparent porphyrin-based hybrid films for spectral selective solar harvesting and energy generation Jou Lin, Yuxin Wang, Mengyao Lyu, Donglu Shi <i>Solar Energy Materials and Solar Cells</i> , 243 15 (2022)
26.	Solar Harvesting through Multilayer Spectral Selective Iron Oxide and Porphyrin Transparent Thin Films for Photothermal Energy Generation Mengyao Lyu, Jou Lin, John Krupczak, Donglu Shi <i>Adv. Sustainable Systems</i> , https://doi.org/10.1002/adsu.202100006 (2021)
27.	Dual targeting with cell surface electrical charge and folic acid via superparamagnetic Fe ₃ O ₄ @Cu ₂ -xS for photothermal cancer cell killing Zicheng Deng, Jou Lin, Sergey L. Bud'ko, Brent Webster, Tanya V. Kalin, Vladimir V. Kalinichenko, and Donglu Shi <i>Cancers</i> 2021, 13(21), 5275; https://doi.org/10.3390/cancers13215275
28.	Solar Desalination via Multilayers of Transparent Photothermal Fe ₃ O ₄ @Cu ₂ -xS Thin Films Mengyao Lyu, Jou Lin, and Donglu Shi <i>Energy Technology</i> , 2100590, DOI: 10.1002/ente.202100590 (2021)
29.	Photothermal and photovoltaic properties of transparent thin films of porphyrin compounds for energy applications Jou Lin and Donglu Shi <i>Applied Physics Reviews</i> , 8, 011302 (2021); https://doi.org/10.1063/5.0036961
30.	Photonically-Activated Molecular Excitations for Thermal Energy Conversion in Porphyrinic Compounds Yuan Zhao, Jou Lin, David M. Kundrat, Mathias Bonmarin, John Krupczak Jr., Som V. Thomas, Mengyao Lyu, Donglu Shi, <i>J. Phys. Chem. C</i> 2020, 124, 2, 1575-1584 (2020)
31.	Nanoparticle Delivery Systems with Cell-specific Targeting for Pulmonary Diseases Zicheng Deng, Gregory T Kalin, Donglu Shi, Vladimir V Kalinichenko <i>American Journal of Respiratory Cell and Molecular Biology</i> doi: 10.1165/rcmb.2020-0306TR (2020)
32.	Processing of soft magnetic fine powders directly from as-spun partial crystalline Fe ₇₇ Ni _{5.5} Co _{5.5} Zr ₇ B ₄ Cu ribbon via ball mill without devitrification Som V. Thomas; Matthew A. Willard; Anthony Martone; Michael J. Heben; C. Virgil Solomon; Aaron Welton; Punit Boolchand; Rodney C. Ewing; Chenxu Wang; Sergey L. Bud'ko, Donglu Shi <i>IEEE Transactions on Magnetism</i> , PP(99):1-1 (2020) DOI: 10.1109/TMAG.2020.2984967
33.	Light angle dependence of photothermal properties in oxide and porphyrin thin films for energy-efficient window applications Mengyao Lyu, Jou Lin, John Krupczak Jr., Donglu Shi <i>MRS Communications</i> , doi:10.1557/mrc.2020.39 (2020)
34.	Positively Charged Magnetic Nanoparticles for Capture of Circulating Tumor Cells from Clinical Blood Samples Shengming Wu, Yilong Wang, and Donglu Shi <i>Nano LIFE</i> , DOI: 10.1142/S1793984419710016
35.	Optical thermal insulation via the photothermal effects of Fe ₃ O ₄ and Fe ₃ O ₄ @Cu ₂ -xS thin films for energy-efficient single-pane windows Jou Lin, Yuan Zhao, and Donglu Shi, <i>MRS Communications</i> Volume 10, Issue 1, pp. 155-163 (2020)
36.	Nanoparticle Delivery of Proangiogenic Transcription Factors into the Neonatal Circulation Inhibits Alveolar Simplification Caused by Hyperoxia Craig Bolte , Vladimir Ustiyana , Xiaomeng Ren , Andrew W. Dunn , Arun Pradhan , Guolun Wang , Olena A. Kolesnichenko , Zicheng Deng ,

	Yufang Zhang , Donglu Shi , James M Greenberg , Alan H Jobe , Tanya V. Kalin , and Vladimir V. Kalinichenko <i>American Journal of Respiratory and Critical Care Medicine</i> , https://doi.org/10.1164/rccm.201906-1232OC (2020)
37.	Nanocrystallites via Direct Melt Spinning of Fe ₇₇ Ni _{5.5} Co _{5.5} Zr ₇ B ₄ Cu for Enhanced Magnetic Softness Som V. Thomas Matthew A. Willard Anthony Martone Michael J. Heben Virgil Solomon Aaron Welton Punit Boolchand Rodney C. Ewing Chenxu Wang Sergey L Bud'ko Jie Song Donglu Shi <i>Physica Status Solidi</i> , https://doi.org/10.1002/pssa.201900680 (2020)
38.	Rapid Label-Free Isolation of Circulating Tumor Cells from Patients' Peripheral Blood Using Electrically Charged Fe ₃ O ₄ Nanoparticles Shengming Wu, Lei Gu, Jingwen Qin, Lei Zhang, Fenyong Sun, Zhongchen Liu, Yilong Wang, and Donglu Shi <i>ACS Appl. Mater. Interfaces</i> , 12, 4193–4203 (2020)
39.	Remodeling of Cellular Surfaces via Fast DisulfideThiol Exchange to Regulate Cell Behaviors Lianghua He, Huaiji Wang, Yi Han, Kun Wang, Haiqing Dong, Yan Li, Donglu Shi, and Yongyong Li <i>ACS Appl. Mater. Interfaces</i> , 10.1021/acsami.9b17550 (2019)
40.	Suppression of the innate cancer-killing activity in human granulocytes by stress reaction as a possible mechanism for affecting cancer development Xin Huang, Wenjun Le, Qian Chen, Jingyao Chen, Yuqian Zhu, Donglu Shi, Bingdi Chen & Zheng Cui <i>Stress</i> , https://doi.org/10.1080/10253890.2019.1645112 (2019)
41.	A new DNA sensor system for specific and quantitative detection of mycobacteria Franch, Oskar; Han, Xiao; Marcussen, Lærke Bay; Givskov, Asger; Andersen, Marie Bech; Godbole, Adwait Anand; Harmsen, Charlotte; Nørskov-Lauritsen, Niels; Thomsen, Jonas; Pedersen, Finn Skou; Wang, Yilong; Shi, Donglu; Wejse, Christian; Pødenphant, Lone; Nagaraja, Valakunja; Bertl, Johanna; Stougaard, Magnus; Ho, Yi-Ping; Hede, Marianne Smedegaard; Labouriau, Rodrigo; Knudsen, Birgitta Ruth <i>Nanoscale</i> , 11 (2), 587-597 (2019) DOI: 10.1039/c8nr07850e
42.	Bioelectricity, Its Fundamentals, Characterization Methodology, and Applications in Nano-Bioprobng and Cancer Diagnosis Yilong Wang, Xiao Han, Zheng Cui, and Donglu Shi <i>Adv. Biosys.</i> 2019, 1900101
43.	Effective reduction of building heat loss without insulation materials via the photothermal effect of a chlorophyll thin film coated “Green Window”, Yuan Zhao, Andrew W. Dunn, and Donglu Shi <i>MRS Communications</i> Volume 9, Issue 2 June 2019, pp. 675-681
44.	Nano Engineering of Artificial Granulocytes for Cancer Diagnosis and Therapeutics. Shi, Donglu. https://doi.org/10.1142/S1793984418710010 <i>Nano Life</i> 8, no. 03 (2018): 1871001.
45.	Detection of cancer cells based on glycolytic-regulated surface electrical charges Wenjun Le, Bingdi Chen, Zheng Cui, Zhongmin Liu & Donglu Shi <i>Biophysics Reports</i> volume 5, pages10–18 (2019)
46.	“Minimalist” Nanovaccine Constituted from Near Whole Antigen for Cancer Immunotherapy. Wang, Kun, Shuman Wen, Lianghua He, Ang Li, Yan Li, Haiqing Dong, Wei Li, Tianbin Ren, Donglu Shi, and Yongyong Li. <i>ACS nano</i> , 12, no. 7 (2018): 6398-6409.
47.	Glypican-1-antibody-conjugated gd–au nanoclusters for FI/MrI dual-modal targeted detection of pancreatic cancer. Huang, Xin, Chengqi Fan, Huanhuan Zhu, Wenjun Le, Shaobin Cui, Xin Chen, Wei Li, Donglu Shi

	<i>International journal of nanomedicine</i> , 13 (2018): 2585.
48.	Highly Efficient In Vivo Targeting of the Pulmonary Endothelium Using Novel Modifications of Polyethylenimine: An Importance of Charge. Dunn, Andrew W., Vladimir V. Kalinichenko, and Donglu Shi. <i>Advanced healthcare materials</i> , (2018): 1800876.
49.	Electrical-charge mediated cancer cell targeting via protein corona decorated superparamagnetic nanoparticles in simulated physiological environment. Zhao, Jian, Shengming Wu, Jingwen Qin, Donglu Shi, and Yilong Wang. <i>ACS applied materials & interfaces</i> , (2018).
50.	A titanium-based photo-Fenton bifunctional catalyst of mp-MXene/TiO _{2-x} nanodots for dramatic enhancement of catalytic efficiency in advanced oxidation processes. Cheng, Xiaomei, Lianhai Zu, Yue Jiang, Donglu Shi, Xiaoming Cai, Yonghong Ni, Sijie Lin, and Yao Qin. <i>Chemical Communications</i> , 54, no. 82 (2018): 11622-11625.
51.	Nanomaterials for Cancer Precision Medicine Yilong Wang, Shuyang Sun, Zhiyuan Zhang, Donglu Shi, <i>Advanced Materials</i> , 2018, 30, 1705660
52.	Fever-Inspired Immunotherapy Based on Photothermal CpG Nanotherapeutics: The Critical Role of Mild Heat in Regulating Tumor Microenvironment Yan Li, Lianghua He, Haiqing Dong, Yiqiong Liu, Kun Wang, Ang Li, Tianbin Ren, Donglu Shi, Yongyong Li <i>Advanced Science</i> (2018)
53.	Cancer Cell Surface Negative Charges: A Bio-Physical Manifestation of the Warburg Effect Donglu Shi <i>Nano LIFE</i> (2017), Vol. 7, No. 3&4, 1771001
54.	Spectral selective and photothermal nano structured thin films for energy efficient windows Julian Wang, Donglu Shi <i>Applied Energy</i> , Vol. 208 (2017) 83-96
55.	Targeting and Regulating of an Oncogene via Nanovector Delivery of MicroRNA using Patient-Derived Tumor Xenografts Shuyang Sun, Yilong Wang, Rong Zhou, Zicheng Deng, Yong Han, Xiao Han, Wenjie Tao, Zi Yang, Chaoji Shi, Duo Hong, Jiang Li, Donglu Shi, and Z. Zhang <i>Theranostics</i> Vol. 7, Issue 3, p. 677 (2017)
56.	Photothermal effect on Fe ₃ O ₄ nanoparticles irradiated by white-light for energy-efficient window applications Yuan Zhao, M.E. Sadat, Andrew Dunn, Hong Xu, Chien-Hung Chen, Wagner Nakasuga, Rodney C. Ewing, Donglu Shi <i>Solar Energy Materials & Solar Cells</i> 161 (2017) 247–254
57.	In Situ Synthesis of Graphene Oxide/Gold Nanorods Theranostic Hybrids for Efficient Tumor CT Imaging and Photothermal Therapy Bingmei Sun, Jinrui Wu, Shaobin Cui, Huanhuan Zhu, Wei An, Qingge Fu, Chengwei Shao, Aihua Yao, Bingdi Chen, Donglu Shi <i>Nano Research</i> 2017, Volume 10, Issue 1, pp 37–48
58.	Biomarkerless targeting and photothermal cancer cell killing by surface-electrically-charged superparamagnetic Fe ₃ O ₄ composite nanoparticles Xiao Han, Zicheng Deng, Zi Yang, Yilong Wang, Huanhuan Zhu, Bingdi Chen, Zheng Cui, Rodney C. Ewing and Donglu Shi <i>Nanoscale</i> 2017, 9, 1457-1465
59.	Polymeric Vectors for Strategic Delivery of Nucleic Acids Andrew Dunn, Donglu Shi <i>Nano LIFE</i> (2017), Vol. 7, No. 2, 1730003
60.	Green Synthesis of Sub-10 nm Gadolinium-Based Nanoparticles for Sparkling Kidneys, Tumor, and Angiogenesis of Tumor-Bearing Mice in Magnetic Resonance Imaging Bingbo Zhang, Weitao Yang, Jiani Yu, Weisheng Guo, Jun Wang, Shiyuan Liu, Yi Xiao, and Donglu Shi

	<i>Adv. Healthcare Mater.</i> 2017, 6. 1600865
61.	Site-specific Biomimetic Precision Chemistry of Bimodal Contrast Agent with Modular Peptides for Tumor-targeted Imaging Zhang B, Wang J, Yu J, Fang X, Wang X, Shi D <i>Bioconjug Chem.</i> 2017 Feb 15;28(2):330-335
62.	Human Periodontal Ligament Stem Cell Spheroids Afford Enhanced Osteogenic Potency In vitro and In vivo, Jing Chen, Peng Zhao Ph.D, Lingyun Gao M.M., Chao Lin Ph.D, Yuhui Wang, Xuejun Wen, Donglu Shi, Yuehua Liu <i>Journal of Biomaterials and Tissue Engineering</i> , Volume 6, Number 11, November 2016, pp. 890-901(12)
63.	A Graphene Quantum Dot (GQD) Nanosystem with Redox-Triggered Cleavable PEG Shell Facilitating Selective Activation of Photosensitizer for Photodynamic Therapy Yan Li, Zhiyong Wu, Dou Du, Haiqing Dong, Donglu Shi, and Yongyong Li <i>RSC Advances</i> 6, 6516-6522 (2016)
64.	Redox-mediated dissociation of PEG–polypeptide-based micelles for on-demand release of anticancer drugs Huiyun Wen, Haiqing Dong, Jie Liu, Aijun Shen, Yongyong Li and Donglu Shi <i>J. Mater. Chem. B</i> , 2016, 4, 7859
65.	In-vitro depth-dependent hyperthermia of human mammary gland adenocarcinoma Andrew W. Dunn, Yu Zhang, David Mast, Giovanni M. Pauletti, Hong Xu, Jiaming Zhang, Rodney C. Ewing, Donglu Shi <i>Materials Science and Engineering C</i> 69 (2016) 12–16
66.	Drug loaded nanoparticle coating on totally bioresorbable PLLA stents to prevent in-stent restenosis Jian Zhao, Zhichao Mo, Fangfang Gu, Donglu Shi, Qian Qian Han, Qing Liu <i>J of Biomedical Materials Research Part. B JBMR-B-16-0160.R1</i>
67.	Targeting Negative Surface Charges of Cancer Cells by Multifunctional Nanoprobes Bingdi Chen, Wenjun Le, Yilong Wang, Zhuoquan Li, Dong Wang, Lei Ren, Ling Lin, Shaobin Cui, Jennifer J. Hu, Yihui Hu, Pengyuan Yang, Rodney C. Ewing, Donglu Shi, Zheng Cui <i>Theranostics</i> , 2016; 6(11): 1887–1898.
68.	Enhanced mechanical properties of PLA/PLAE blends via well-dispersed and compatilized nanostructures in the matrix Shenyang Cai, Chao Zeng, Naiwen Zhang, Jianbo Li, Markus Meyer, Rainer H. Fink, Donglu Shi and Jie Ren <i>RSC Adv.</i> , 2016, 6, 25531
69.	A multimodal system with synergistic effects of magneto-mechanical, photothermal, photodynamic and chemo therapies of cancer in graphene-quantum dot-coated hollow magnetic nanospheres Fangjie Wo, Rujiao Xu, Yuxiang Shao, Zheyu Zhang, Maoquan Chu, Donglu Shi, Shupeng Liu <i>Theranostics</i> 6 (4), 485-500 (2016)
70.	Design and development of anisotropic inorganic/polystyrene nanocomposites by surface modification of zinc oxide nanoparticles Xiao Han, Shiming Huang, Yilong Wang, Donglu Shi <i>Materials Science and Engineering: C</i> , 64, 1, 87 (2016)
71.	Photo-fluorescent and magnetic properties of iron oxide nanoparticles for biomedical applications Donglu Shi, M. E. Sadat, Andrew W. Dunn, David B. Mast <i>Nanoscale</i> (2015) 7 8209-8232
72.	Photothermal effects and toxicity of Fe ₃ O ₄ nanoparticles via near infrared laser irradiation for cancer therapy Andrew W. Dunn, Sadat M. Ehsan, David Mast, Giovanni M. Pauletti, Hong Xu, Jiaming Zhang, Rodney C. Ewing, Donglu Shi

	<i>Materials Science and Engineering C</i> 46 (2015) 97–102
73.	An “imaging-biopsy” strategy for colorectal tumor reconfirmation by multipurpose paramagnetic quantum dots Xiaohong Xing, Bingbo Zhang, Xiaohui Wang, Fengjun Liu, Donglu Shi, Yingsheng Cheng <i>Biomaterials</i> 48 (2015) 16e25
74.	Reversible PEGylation and Schiff-base linked imidazole modification of polylysine for highperformance gene delivery Xiaojun Cai, Yongyong Li, Dong Yue, Qiangying Yi, Shuo Li, Donglu Shi, and Zhongwei Gu <i>J. Mater. Chem. B</i> , 2015, 3, 1507–1517, 1507
75.	Development of a Highly Active Electrocatalyst via Ultrafine Pd Nanoparticles Dispersed on Pristine Graphene Jian Zhao, Zhensheng Liu, Hongqi Li, Wenbin Hu, Changzhi Zhao, Peng Zhao, and Donglu Shi <i>Langmuir</i> 2015, 31, 2576–2583
76.	Magnetothermally responsive star-block copolymeric micelles for controlled drug delivery and enhanced thermo-chemotherapy Li Deng, Jie Ren, Jianbo Li, Junzhao Leng, Yang Qu, Chao Lin and Donglu Shi <i>Nanoscale</i> (2015), 7, 9655
77.	Disulfide-Bridged Cleavable PEGylation in Polymeric Nanomedicine for Controlled Therapeutic Delivery Haiqing Dong, Bin He, Yan Li, Min Tang, Yongyong Li, Donglu Shi <i>Nanomedicine</i> (2015) 10(1258): 1941- 58
78.	Nanospherical Surface-supported Seeded Growth of Au Nanowires: Investigation on A New Growth Mechanism and High-performance Hydrogen Peroxide Sensors Ying Li, Lianhai Zu, Guanglei Liu, Yao Qin, Donglu Shi, Jinhu Yang <i>Particle & Particle Systems Characterization</i> (2015) 32 498-504
79.	Particle Systems for Stem Cell Applications Xiaowei Li, Xiaoyan Liu, Donglu Shi, Xuejun Wen <i>Journal of Biomedical Nanotechnology</i> (2015) 11 1107-1123
80.	Graphene-based nanovehicles for photodynamic medical therapy Yan Li, Haiqing Dong, Yongyong Li, Donglu Shi <i>International Journal of Nanomedicine</i> (2015) 10 2451-2459
81.	An advanced electrocatalyst with exceptional eletrocatalytic activity via ultrafine Pt-based trimetallic nanoparticles on pristine graphene Jian Zhao, Hongqi Li, Zhensheng Liu, Wenbin Hu, Changzhi Zhao, Donglu Shi <i>Carbon</i> (2015) 87 116-127
82.	Detection of Mycobacterium tuberculosis based on H ₃₇ R _v binding peptides using surface functionalized magnetic microspheres coupled with quantum dots – a nano detection method for Mycobacterium tuberculosis Hua Yang, Hui Ma, Yilong Wang, Bingbo Zhang, Lianhua Qin, Zhonghua Liu, Junmei Lu, Xiaochen Huang, Jie Wang, Donglu Shi, Zhongyi Hu <i>International Journal of Nanomedicine</i> (2015) 10 77-88
83.	Light-Concentrating Plasmonic Au Superstructures with Significantly Visible-Light-Enhanced Catalytic Performance Jinhu Yang, Ying Li, Lianhai Zu, Lianming Tong, Guanglei Liu, Yao Qin, Donglu Shi <i>ACS Applied Materials & Interfaces</i> (2015) 7 (15), 8200-8208
84.	Preparation of Spherical Caged Superparamagnetic Nanocomposites with Completed Inorganic Shell via a Modified Miniemulsion Technology Tian Li, Xiao Han, Yilong Wang, Feng Wang, Donglu Shi <i>Colloids Surf Physicochem Eng Aspects</i> (2015) 477 84-89
85.	Historical and Practical Perspective of the Unique Surface Electrical Properties of Cancer Cells Dong Wang, Wen-ying Wang, Zheng Cui, Dong-lu Shi

	<i>Science Insights</i> 2015; 11(3):346-354
86.	Photoluminescence and photothermal effect of Fe ₃ O ₄ nanoparticles for medical imaging and therapy M. E. Sadat, Masoud Kaveh, Andrew W. Dunn, H. P. Wagner, Rodney Ewing, Jiaming Zhang, Hong Xu, Giovanni M Pauletti, David B. Mast, Donglu Shi <i>Applied Physics Letters</i> , 105, 091903 (2014)
87.	Three-dimensional graphitized carbon nanovesicles for high-performance supercapacitors based on ionic liquids Chengxin Peng, Zubiao Wen, Yao Qin, Lukas Schmidt-Mende, Chongzhong Li, Shihe Yang, Donglu Shi, and Jinhu Yang <i>ChemSusChem</i> (2014) 7 777-784
88.	Fabrication of hierarchical core-shell Au@ZnO heteroarchitectures initiated by heteroseed assembly for photocatalytic applications Yao Qin, Yanjie Zhou, Jie Li, Jie Ma, Donglu Shi, Junhong Chen, Jinhu Yang <i>J Colloid Interface Sci</i> (2014) 418 171-177
89.	Spinous TiO ₂ and Au@TiO ₂ octahedral nanocages: Amorphisity-to-crystallinity transition-driven surface structural construction and photocatalytic study Jie Li, Lianhai Zu, Ying Li, Chao Jin, Yao Qin, Donglu Shi, Jinhu Yang <i>J Colloid Interface Sci</i> (2014) 426 90-98
90.	Suppression of VEGF by Reversible-PEGylated Histidylated Polylysine in Cancer Therapy Xiaojun Cai, Haiyan Zhu, Haiqing Dong, Yongyong Li, Jiansheng Su, Donglu Shi <i>Advanced Healthcare Materials</i> (2014) 3 1818-1827
91.	Enhanced synergism of thermo-chemotherapy by combining highly efficient magnetic hyperthermia with magnetothermally-facilitated drug release Yang Qu, Jianbo Li, Jie Ren, Junzhao Leng, Chao Lin, and Donglu Shi <i>Nanoscale</i> (2014) 6 12408-12413
92.	Inhibition of glioma proliferation and migration by magnetic nanoparticle mediated JAM-2 silencing Lifeng Qi, Jing Liu, Haiyan Zhu, Zhuoquan Li, Kun Lu, Tian Li, Donglu Shi <i>J Mater Chem B. The Royal Society of Chemistry</i> (2014) 2 7168-7175
93.	Effect of physiochemical property of Fe ₃ O ₄ particle on magnetic lateral flow immunochromatographic assay Jun Yan, Yingying Liu, Yilong Wang, Xiaowei Xu, Ying Lu, Yingjie Pan, Fangfang Guo, Donglu Shi <i>Sensors Actuators B: Chem</i> (2014) 197 129-136
94.	Pluronic-encapsulated natural chlorophyll nanocomposites for in vivo cancer imaging and photothermal/photodynamic therapies Maoquan Chu, Haikuo Li, Qiang Wu, Fangjie Wo, Donglu Shi <i>Biomaterials</i> 35 (2014) 8357e8373
95.	Stem Cell-Based Tissue Engineering for Regenerative Medicine Donglu Shi, Rigwed Tatu, Qing Liu, Hossein Hosseinkhani <i>Nano LIFE</i> (2014), Vol. 4, No. 2, 1430001
96.	Surface engineered antifouling optomagnetic SPIONs for bimodal targeted imaging of pancreatic cancer cells Xiaohui Wang, Xiaohong Xing, Bingbo Zhang, Fengjun Liu, Yingsheng Cheng, Donglu Shi <i>International Journal of Nanomedicine</i> (2014) 9 1601-1615
97.	Nanostructured Mesoporous Silica Wires with Intrawire Lamellae via Evaporation-Induced Self-Assembly in Space-Confined Channels Michael Z. Hu, Donglu Shi, and Douglas A. Blom <i>Journal of Nanomaterials</i> , Volume (2014), Article ID 932160
98.	Effect of spatial confinement on magnetic hyperthermia via dipolar interactions in Fe ₃ O ₄ nanoparticles for biomedical applications

	M.E. Sadat, Ronak Patel, Jason Sookoor, Sergey L. Bud'ko, Rodney C. Ewing, Jiaming Zhang, Hong Xu, Yilong Wang, Giovanni M. Pauletti, David B. Mast, Donglu Shi <i>Materials Science and Engineering C</i> 42 (2014) 52–63
99.	Dipole-interaction mediated hyperthermia heating mechanism of nanostructured Fe ₃ O ₄ composites M.E. Sadat, Ronak Patel, Sergey L. Bud'ko, Rodney C. Ewing, Jiaming Zhang, Hong Xu, David B. Mast, Donglu Shi <i>Materials Letters</i> 129 (2014) 57–60
100.	Dual Surface-functionalized Janus Nanocomposites of Polystyrene/Fe ₃ O ₄ @SiO ₂ for Simultaneous Tumor Cell Targeting and Stimulus-induced Drug Release Feng Wang, G. M. Pauletti, Juntao Wang, J. M. Zhang, R. C. Ewing, Y L Wang, Donglu Shi <i>Advanced Materials</i> (2013), 25, 3485–3489 (2013)
101.	JAM-2 siRNA intracellular delivery and real-time imaging by proton-sponge coated quantum dots Lifeng Qi, Weijun Shao and Donglu Shi <i>J. Mater. Chem. B</i> , (2013), 1, 654–660
102.	Near-infrared laser light mediated cancer therapy by photothermal effect of Fe ₃ O ₄ magnetic nanoparticles Maoquan Chu, Yuxiang Shao, Jinliang Peng, Xiangyun Dai, Haikuo Li, Qingsheng Wu, Donglu Shi <i>Biomaterials</i> 34 (2013) 4078–4088
103.	Effect of lanthanum content and substrate strain on structural and electrical properties of lead lanthanum zirconate titanate thin films Sheng Tong, Manoj Narayanan, Beihai Ma, Shanshan Liu, Rachel E. Koritala, Uthamalingam Balachandran, and Donglu Shi <i>Materials Chemistry and Physics</i> , 140, 2–3, (2013), p. 427–430
104.	Dual Surface-Functionalized Superparamagnetic Janus Nanocomposites of Polystyrene/Fe ₃ O ₄ @SiO ₂ Via a One-Pot Miniemulsion Method Feng Wang, Yilong Wang, Donglu Shi <i>Nano LIFE</i> (2017), Vol. 3, No. 4, 1343006
105.	Lead Lanthanum Zirconate Titanate Ceramic Thin Films for Energy Storage Sheng Tong, Beihai Ma, Manoj Narayanan, Shanshan Liu, Rachel Koritala, Uthamalingam Balachandran, and Donglu Shi <i>ACS Appl. Mater. Interfaces</i> (2013), 5, 1474–1480
106.	Highly Ordered Monolayer/Bilayer TiO ₂ Hollow Sphere Films with Widely Tunable Visible-light Reflection and Absorption Band Jie Li, Yao Qin, Chao Jin, Ying Li, Donglu Shi, Lihua Gan, and Jinhua Yang <i>Nanoscale</i> , (2013), DOI:10.1039/C3NR00778B.
107.	Double-side ZnO nanorod arrays on single-crystal Ag holed microdisks with enhanced photocatalytic efficiency Yuanhui Zuo, Yao Qin, Chao Jin, Donglu Shi, Q. H. Wu and Jinhua Yang <i>Nanoscale</i> , (2013), 5, 4388–4394
108.	Dielectric behavior of lead lanthanum zirconate titanate thin films deposited on different electrodes/substrates Sheng Tong, Beihai Ma, Manoj Narayanan, Shanshan Liu, Uthamalingam Balachandran, Donglu Shi <i>Materials Letters</i> 106 (2013) 405–408
109.	Effective Reduction of Nonspecific Binding by Surface Engineering of Quantum Dots with Bovine Serum Albumin for Cell-Targeted Imaging Bingbo Zhang, X. H. Wang, Fengjun Liu, Yingsheng Cheng, and Donglu Shi <i>Langmuir</i> 2012, 28, 16605–16613
110.	Magnetocaloric effect in magnetothermally-responsive nanocarriers for hyperthermia-triggered drug release Jianbo Li, Yang Qu, Jie Ren, Weizhong Yuan, and Donglu Shi

	<u>Nanotechnology</u> 23 (2012) 505706 (10pp)
111.	Engineered Multifunctional Nanocarriers for Cancer Diagnosis and Therapeutics Donglu Shi, Hoon Song Cho, Nick Bedford <u>Small</u> , 7, 18, 2549–2567, (2011)
112.	A Versatile Multicomponent Assembly via β -cyclodextrin Host–Guest Chemistry on Graphene for Biomedical Applications Dong, Yongyong Li, Jinhai Yu, Yanyan Song, Xiaojun Cai, Jiaqiang Liu, Jiaming Zhang, Rodney C. Ewing, and Donglu Shi <u>Small</u> , 9, 3, 446-456, 2012
113.	Bioinspired synthesis of gadolinium-based hybrid nanoparticles as MRI blood pool contrast agents with high relaxivity Bingbo Zhang, H. T. Jin, Yan Li, Bingdi Chen, Shiyuan Liu and Donglu Shi <u>J. Mater. Chem.</u> , (2012), 22, 14494–14501
114.	Engineered Redox-Responsive PEG Detachable Mechanism in PEGylated Nano-graphene Oxide for Intracellular Drug Delivery Huiyun Wen, Chunyan Dong, Haiqing Dong, Aijun Shen, Wenjuan Xia, Xiaojun Cai, Yanyan Song, Xuequan Li, Yongyong Li,* and Donglu Shi* <u>Small</u> , 8, 5, 760-769 (2012)
115.	Effective Gene Delivery Using Stimulus-Responsive Catiomer Designed with Redox-Sensitive Disulfide and Acid-Labile Imine Linkers Xiaojun Cai, Chunyan Dong, Haiqing Dong, Gangmin Wang, Giovanni M. Pauletti, X. J. Pan, Huiyun Wen, Isaac Mehl, Yongyong Li, and Donglu Shi <u>Biomacromolecules</u> (2012), 13, 1024–1034
116.	Engineered Redox-Responsive PEG Detachable Mechanism in PEGylated Nano-graphene Oxide for Intracellular Drug Delivery Huiyun Wen, Haiqing Dong, Aijun Shen, Wenjuan Xia, Xuequan Li, Jinhai Yu, Xiaojun Cai, Yongyong Li, and Donglu Shi <u>Small</u> , 7, 18, p. 2549–2567, (2011)
117.	Improving colloidal properties of quantum dots with combined silica and polymer coatings for in vitro immuofluorescence assay Bingbo Zhang, Da Xing, Chao Lin, Fangfang Guo, Peng Zhao, Xuejun Wen, Zhihao Bao, Donglu Shi <u>J Nanopart Res</u> (2011) 13:2407–2415
118.	Preparation of highly fluorescent magnetic nanoparticles for analytes-enrichment and subsequent biodetection Bingbo Zhang, Bingdi Chen, Yilong Wang, F. F. Guo, Z. Li, Donglu Shi <u>Journal of Colloid and Interface Science</u> 353 (2011) 426–432
119.	Magnetic alignment of Ni/Co-coated carbon nanotubes in polystyrene composites Donglu Shi, Peng He, Peng Zhao, Fang Fang Guo, Feng Wang, Chris Huth, Xavier Chaud, Sergey L. Bud'ko, Jie Lian <u>Composites Part B: Engineering</u> , 42, 6, p. 1532-1538, (2011)
120.	Preparation of highly fluorescent magnetic nanoparticles for analytes-enrichment and subsequent biodetection Bingbo Zhang, Bingdi Chen, Yilong Wang, Fangfang Guo, Zhuoquan Li, Donglu Shi <u>Journal of Colloid and Interface Science</u> 353 (2011) 426–43
121.	Improving colloidal properties of quantum dots with combined silica and polymer coatings for in vitro immuofluorescence assay Bingbo Zhang, Da Xing, Chao Lin, Fangfang Guo, Peng Zhao, Xuejun Wen, Zhihao Bao, Donglu Shi <u>J Nanopart Res</u> (2011) 13:2
122.	Engineered Multifunctional Nanocarriers for Cancer Diagnosis and Therapeutics Donglu Shi, Nicholas M. Bedford, and Hoon-Sung Cho <u>Small</u> , 7, 18, p. 2549–2567, (2011)

123.	Rapidly disassembling nanomicelles with disulfide-linked PEG shells for glutathione-mediated intracellular drug delivery Hui-Yun Wen, Hai-Qing Dong, Wen-juan Xie, Yong-Yong Li, Kang Wang, Giovanni M. Paulettic and Donglu Shi <i>Chem. Commun.</i> , 47, 3 (2011)
124.	The potential of magnetic nanocluster and dual-functional protein-based strategy for noninvasive detection of HBV surface antibodies Hengyao Hu, Hao Yang, Ding Li, Kan Wang, Jing Ruan, Xueqing Zhang, Jun Chen, Chenchen Bao, Jiajia Ji, Donglu Shi, and D.X. Cui <i>Analyst</i> , (2010) 4 (9), 5398–5404
125.	Unique role of ionic liquid in microwave-assisted synthesis of monodisperse magnetite nanoparticles Hengyao Hu, Hao Yang, Peng Huang, Daxiang Cui, Yanqing Peng, Jingchang Zhang, Fengyuan Lu, Jie Liand and Donglu Shi <i>Chem. Commun.</i> , (2010), 1-3, 1
126.	A Molecular Mechanics Study on the Effect of Surface Modification on the Interfacial Properties in Carbon Nanotube/Polystyrene Nanocomposites Dong Qian, Peng He, Donglu Shi <i>Journal for Multiscale Computational Eng.</i> , (2010), 8(2)
127.	Phospholipid Assembly on Superparamagnetic Nanoparticles for Thermoresponsive Drug Delivery Applications Christopher Huth, Donglu Shi, Feng Wang, Donald Carrahar, Jie Lian, Fengyuan Lu, Jiaming Zhang, Rodney C. Ewing, Giovanni M. Pauletti <i>Nano LIFE</i> (2010), Vol. 01 No. 3&4, 251-261
128.	Fluorescent, Superparamagnetic Nanospheres for Drug Storage, Targeting, and Imaging: A Multifunctional Nanocarrier System for Cancer Diagnosis and Treatment Hoon-Sung Cho, Zhongyun Dong, Giovanni M. Pauletti, Jiaming Zhang, Hong Xu, Hongchen Gu, Lumin Wang, Rodney C. Ewing, Christopher Huth, Feng Wang, and Donglu Shi <i>ACS Nano</i> (2010) Vol. 4, NO. 9, p.5398
129.	Fluorescent Magnetic Nanoprobes for in vivo Targeted Imaging and Hyperthermia Therapy of Prostate Cancer Daxiang Cui, Yuedong Han, Zhiming Li, Hua Song, Kan Wang, Rong He, Bing Liu, Heliang Liu, C. C. Bao, Peng Huang, Jin Ruan, Feng Gao, Hao Yang, Hoon Sung Cho, Qiushi Ren, Donglu Shi <i>Nano Biomedicine And Engineering</i> (2009), 1, 94-112
130.	Surface charge induced Stark effect on luminescence of quantum dots conjugated on functionalized carbon nanotubes W. Wang, G.K. Liu, H.S. Cho, Y. Guo, Donglu Shi, J. Lian, R.C. Ewing <i>Chemical Physics Letters</i> (2009), 469, 149–152
131.	Small angle light scattering study of improved dispersion of carbon nanofibers in water by plasma treatment Jian Zhao, Donglu Shi, Jie Lian <i>Carbon</i> 47, (2009), 2329 –2336
132.	Anti-tumor activity of paclitaxel-loaded chitosan nanoparticles: An in vitro study Fang Li, Jianing Li, Xuejun Wen, Shenghu Zhou, Xiaowen Tong, Pingping Su, Hong Li, Donglu Shi <i>Mater. Sci & Eng C</i> , (2009)
133.	Integrated Multifunctional Nanosystems for Medical Diagnosis and Treatment Donglu Shi <i>Advanced Functional Materials</i> , (2009), 19, 3356–3373
134.	5f-6d orbital hybridization of trivalent uranium in crystals of hexagonal symmetry: Effects on electronic energy levels and transition intensities Wei Wang, Guokui Liu, M. G. Brik, L. Seijo, and Donglu Shi, <i>Phys Rev. B</i> , (2009), 80, 1

135.	Anti-tumor activity of paclitaxel-loaded chitosan nanoparticles: An in vitro study Fang Li, Jianing Li, Xuejun Wen, Shenghu Zhou, Xiaowen Tong, Pingping Su, Hong Li and Donglu Shi <i>Mater. Sci. Eng. C</i> (2009), doi:10.1016/j.msec.2009.07.001
136.	Improved dispersion of PEG-functionalized carbon nanofibers in toluene Jian Zhao, Guangzhe Piao, XinWang, Jie Lian, ZhaoboWang, Hongqi Hu, Li Chen, XuyunWang, Yong Tao, Donglu Shi <i>Mater. Sci. Eng. C</i> 29 (2009), 742-745
137.	Small angle light scattering study of improved dispersion of carbon nanofibers in water by plasma treatment Jian Zhao, Donglu Shi, Jie Lian <i>Carbon</i> 47 (2009) 2329-2336
138.	Fluorescent Polystyrene-Fe ₃ O ₄ Composite Nanospheres for In Vivo Imaging and Hyperthermia Donglu Shi, Hoon Sung Cho, Yan Chen, Hong Xu, Hongchen Gu, Jie Lian, Wei Wang, Guokui Liu, Christopher Huth, Lumin Wang, Rodney, C. Ewing, Sergei Budko, Giovanni M. Pauletti, and Zhongyun Dong <i>Advanced Materials</i> 2009, 21, 1–4
139.	Asymmetric Composite Nanoparticles with Anisotropic Surface Functionalities YilongWang, Hong Xu, Weili Qiang, Hongchen Gu, and Donglu Shi <i>Journal of Nanomaterials</i> V. 2009, Article ID 620269, 5 pp
140.	Nanoscale Solute Partitioning in Bulk Metallic Glasses Ling Yang, Michael K. Miller, Xun-Li Wang, Chain T. Liu, Alexandru, D. Stoica, Dong Ma, Jonathan Almer, and Donglu Shi <i>Advanced Materials</i> 2008, 20, 1–4
141.	Size-independent residual magnetic moments of colloidal Fe ₃ O ₄ -polystyrene nanospheres detected by ac susceptibility measurements Du-Xing Chen, Alvaro Sanchez, Hong Xu, Hongchen Gu, and Donglu Shi <i>J of Appl. Phys.</i> 104, 093902 (2008)
142.	Quantum dot conjugated hydroxylapatite nanoparticles for in vivo imaging Yan Guo, Donglu Shi, Jie Lian, Zhongyun Dong, Wei Wang, Hoonsung Cho, Guokui Liu, LuminWang and Rodney C Ewing <i>Nanotechnology</i> 19 (2008) 175102 (6pp)
143.	Low-Temperature Preparation of Amorphous-Shell/Nanocrystalline-Core Nanostructured TiO ₂ Electrodes for Flexible Dye-Sensitized Solar Cells Dongshe Zhang, Hengyao Hu, Laifeng Li, and Donglu Shi <i>Journal of Nanomaterials</i> Volume 2008, 271631
144.	Enhanced Thermal Stability of Carbon Nanotubes via Surface Plasma Polymerization in Al ₂ O ₃ Composites H. Cho, D. Shi, Yan Guo, Jie Lian, Z. Ren, Bed Poudel, Y. Song, J. L. Abot, Dileep Singh, Jules Routbort, Lumin Wang, and Rodney C. Ewing <i>Journal of Applied Physics</i> , 104, 074302-1 (2008)
145.	Synthesis of Asymmetric Inorganic/Polymer Nanocomposite Particles via Localized Substrate Surface Modification and Miniemulsion Polymerization Weili Qiang, Yilong Wang, Ping He, Hong Xu, Hongchen Gu, and D. Shi <i>Langmuir</i> , 24, 606-608 (2008)
146.	STEM characterization on silica nanowires with new mesopore structures by space-confined self-assembly within nano-scale channels Peng Lai, Michael Z. Hu, Donglu Shi and Douglas Blom <i>Chem. Commun.</i> , 1-3, (2008)

147.	In vivo Imaging by Luminescent Carbon Nanotubes with Surface Conjugated Quantum Dots Donglu Shi, Jie Lian, H. Peng, Wei Wang, Zhongyun Dong, L. M. Wang, and Rodney C. Ewing <i>Advanced Functional Materials</i> , 18, 1-9 (2008)
148.	Effects of plasma surface modification on interfacial behaviors and mechanical properties of carbon nanotube-Al ₂ O ₃ nanocomposites Yan Guo, Hoonsung Cho, Donglu Shi, Jie Lian, Yi Song, Jandro Abot, Bed Poudel, Zhifeng Ren, Lumin Wang and Rodney C. Ewing <i>Appl. Phys Lett.</i> 91, 261903 (2007)
149.	Neutron diffraction study of the structure and low-temperature phase transformation in ternary NiAl + M (M = Ni, Fe,Co) alloys L. Yang, X.-L. Wang, C.T. Liu, J.A. Fernandez-Baca, C.L. Fu, J.W. Richardson and D. Shi <i>Scripta Materialia</i> 56 (2007)
150.	Quantum-Dot-Activated Luminescent Carbon Nanotubes via a Nano Scale Surface Functionalization for in vivo Imaging Donglu Shi, Yan Guo, Zhongyun Dong, Jie Lian, Wei Wang, Guokui Liu, Lumin Wang, and Rodney C. Ewing <i>Advanced Materials</i> 2007, 19, 4033–403
151.	In vivo Imaging by Luminescent Carbon Nanotubes Donglu Shi, Jie Lian, H. Peng, Wei Wang, Zhongyun Dong, L. M. Wang, and Rodney C. Ewing <i>Advanced Materials</i> , 19, 4033–4037, (2007)
152.	Coating nanothickness degradable films on nanocrystalline hydroxyapatite particles to improve the bonding strength between nanohydroxyapatite and degradable polymer matrix Heather L. Nichols, Ning Zhang, Jing Zhang, Donglu Shi, Sarit Bhaduri, Xuejun Wen <i>Journal of Biomedical Materials Research Part A</i> , Volume 82A, Issue 2 , Pages 373 – 382 (2007)
153.	Sintering of High Density Carbon Nanotube/Alumina Composites via Surface Plasma Polymerization Yan Guo, D. Shi. J. Lian, Hoon Sung Cho, Lumin Wang, and Rod Ewing <i>Appl Phys Lett</i> , 91, 261903-1, (2007)
154.	High-Pressure Preparation and Thermoelectric Properties of Bi _{0.85} Sb _{0.15} H.J. Liu, L.F. LI, and Donglu Shi <i>Journal of Electronic Materials</i> , Vol. 35, No. 7, 2006
155.	Carbon Nanofiber Hybrid Actuators: Part II – Solid Electrolyte-based Based Y. Y. Heung, A. Miskin, P. Kang, S. Jain, S. Arasimhadevara, D. Hurd, V. Shinde, M. J. Schulz, V. Shanov, P. He, F. J. Boerio, Donglu Shi, and S. Srivinas <i>J. of Intelligent Materials Systems and structures</i> , Vol. 17 (2006) 191-197
156.	A carbon nanotube strain sensor for structural health monitoring Inpil Kang, Mark J Schulz, JayHKim, Vesselin Shanov and Donglu Shi <i>Smart Mater. Struct.</i> 15 (2006) 737–748
157.	Synthesis and characterization of superparamagnetic composite nanorings Longlan Cui, Hongchen Gu, Hong Xu, Donglu Shi <i>Materials Letters</i> 60 (2006) 2929–2932
158.	Processing Dependence of Texture, and Critical Properties of YBa ₂ Cu ₃ O _{7-δ} Films on RABiTS Substrates by a Non-Fluorine MOD Method

	Y. Xu,w,z A. Goyal, K.J. Leonard, and E.D. Specht, D. Shi, M. Paranthaman <i>J. Am. Ceram. Soc.</i> , 89 [3] 914–920 (2006)
159.	In situ high temperature optical microscopy study of phase evolution in YBa ₂ Cu ₃ O _{7-d} films prepared by a fluorine-free sol–gel route Yulong Zhang, Xin Yao, Jie Lian, Lumin Wang, Aihua Li, H.K. Liu, Haibo Yao, Zhenghe Han, Laifeng Li, Yongli Xu, Donglu Shi <i>Physica C</i> 436 (2006) 62–67
160.	Luminescent Hydroxylapatite Nanoparticles by Surface Functionalization W. Wang, D. Shi, J. Lian, Yan Guo, Lumin Wang, and Rod Ewing <i>Appl Phys Lett</i> , 89, 183306 (2006)
161.	High-Pressure Preparation and Thermoelectric Properties of Bi _{0.85} Sb _{0.15} H. Liu, L. Li, and D. Shi <i>J. of Electronic Materials</i> , 35 L7 (2006).
162.	Introduction to Carbon nanotube and nanofiber smart materials Inpil Kang, Y. Heung, J. Kim, J. Lee, R. Gollapudi, S. Subramaniam, S. Narasimhadevara, D. Hurd, G. Kirkera, V. Shanov, M. Schulz, D. Shi, J. Boerio, S. Mall, and M. Ruggles-Wren <i>Composites, Part B</i> , 37, 382-394 (2006).
163.	Improved Mechanical Properties of Carbon Nanotube-Polycarbonate Composites by Plasma Surface Modification Yong Gao, Peng He, Donglu Shi, Jie Lian, Lumin Wang, Dong Qian, Jian Zhao, Wei Wang, Mark J. Schulz <i>Journal of Macromolecular Science, Part B: Physic</i> , 45:671679
164.	Surface Modification of the MWNT and the dependence of the Mechanical Properties of MWNTs-Polycarbonate Composites on Ultrasonication Time Y. Gao, Peng He, Jie Liang, Mark J. Schulz, J. Zhao, Wei Wang, Donglu Shi <i>Composite A</i> , 37 1270-1275
165.	Modulus study of microcracks in single domain in YBa ₂ Cu ₃ O _x with c-axis pressure during oxygen anneal D. Shi, D. Isfort, X. Chaud, P. Odie, A. Sulpice, R. Tournier, Y. Guo, P. He, L. Guo, L. Li, and R. Singh <i>Physica C</i> , 443, 18-22 (2006)
166.	In-situ High Temperature Optical Microscopy Study of Phase Evolution in YBa ₂ Cu ₃ O _{7-d} Films Prepared by a Fluorine -free Sol-gel Route Y. Zhang, X. Yao, and D. Shi <i>Physica C</i> , 436, 62-67 (2006)
167.	Deposition of ultrathin Eu-doped Y ₂ O ₃ on alumina nanoparticles Jie Lian, H. Peng, Wei Wang, Zhongyun Dong, L. M. Wang, and Donglu Shi <i>Nanotechnology</i> , 17, 1351-1354 (2006)
168.	Luminescent Carbon Nanotubes Donglu Shi, Jie Lian, H. Peng, Wei Wang, Zhongyun Dong, L. M. Wang, and Rodney C. Ewing <i>Advanced Materials</i> , 18, 189-193 (2006)
169.	Effects of surface modification, carbon nanofiber concentration, and dispersion time on the mechanical properties of carbon-nanofiber-polycarbonate composites Yong Gao, Peng He, Jie Lian, Lumin Wang, Wang Dong Qian, Jian Zhao, Wei Wang, Mark J. Schulz, Xing Ping Zhou, Donglu Shi <i>Journal of Applied Polymer Science</i> , 103, 6, 3792-3797 (2006).
170.	How Does Surface Modification Aid in the Dispersion of Carbon Nanofibers Jian Zhao, Dale W. Schaefer, Donglu Shi, Jie Lian, Janis Brown, Gregory Beaucage, Lumin Wang, and Rodney C. Ewing <i>J. Phys. Chem. B</i> , 109, 23351-23357 (2005)
171.	Functionalization of single-walled carbon nanotubes using isotropic plasma treatment: Resonant Raman spectroscopy study Zhandos N. Utegulos, David B. Mast, Peng He, Donglu Shi and Robert F. Gilland

	<i>J. of Appl. Phys.</i> , 97 (2005)
172.	Plasma deposition of thin carbonfluorine films on aligned carbon nanotube H. Peng, Donglu Shi, Jie Lian, L. M. Wang, and Rodney C. Ewing, Wim Van Ooij, W Li, Z. Ren <i>Appl. Phys. Lett.</i> , 86, 043107 (2005)
173.	Single-crystalline polytetrafluoroethylene-like nanotubes prepared from atmospheric plasma discharge J. Zhang, Y. Guo, J. Z. Xu, X. S. Fang, and H. K. Xie, Donglu Shi, P. He. Wim Van Ooij <i>Appl. Phys. Lett.</i> , 86, 131501, (2005)
174.	Coating of Silver Film onto the Inner Pore Surfaces of Reticulated Alumina Substrate by an Electroless Plating Method Donglu Shi and Fang Mei <i>Tsinghua Science and Technology</i> , 10, 277-281 (2005)
175.	Magnetic alignment of carbon nanofibers in polymer composites and anisotropy of mechanical properties Donglu Shi, P. He. Xavier Chaud, and Robert Tournier <i>J. of Appl. Phys.</i> , 97 064321 (2005)
176.	The development of YBa ₂ Cu ₃ O _x thin films using a fluorine-free sol-gel approach for coated conductors Donglu Shi, Yongli Xu, Haibo Yao, Z. Han, Jie Lan, Lumin Wang, Aihua Li, H K Liu and S X Dou <i>Supercond. Sci. Technol.</i> 17 (2004) 1-6
177.	Applications of Nanotechnology in Tissue Engineering Xuejun Wen, Donglu Shi, Ning Zhang Invited review paper by John Wiley & Sons, Inc. (2004)
178.	Surface Resistance Measurements of Single Domain YBCO A. K. Mishra, N. Hari Babu, P. He, D. Isfort, X. Chaud, A. M. Ferendeci, D. A. Cardwell, R. Tournier, D. Mast, and D. Shi <i>Physica C</i> , 402, 277-282 (2004)
179.	Suppression of ab-Plane Crack Formation in Single Domain YBCO by uniaxial c-axis Pressure D. Shi, D. Isfort, X. Chaud, P. Odie, D. Mast, and R. Tournier <i>Physica C</i> , 402, 72-29, (2004).
180.	Preparation of YBCO Films on CeO ₂ -Buffered (001) YSZ Substrates by a Non-Fluorine MOD Method Yongli Xu, A. Goyal, N.A. Rutter, D. Shi, P. M. Martin, and D. M. Kroeger <i>J. of American Ceramic Society</i> , 87, 1669-1676 (2004)
181.	High T _c Superconductor Re-entrant Cavity Filter Structures Himanshu Pandit ¹ , N. Hari Babu, X. Chaud, Donglu Shi, D. A. Cardwell, P. He, D. Isfort, Robert Tournier, David Mast, and Altan M. Ferendeci <i>Physica C</i> 425, 44-51, (2004)
182.	Crystallization, phase transition and optical properties of the rare-earth-doped nanophosphors synthesized by chemical deposition X. Y. Chen, L. Yang, R. E. Cook, S. Skanthakumar, D. Shi, G. K. Liu <i>Nanotechnology</i> , 14, 670-674 (2003)
183.	Plasma Coating of Carbon Nanofibers for Enhanced Dispersion and Interfacial Bonding in Polymer Composites Donglu Shi, P. He, Jie Lian, Lumin Wang, D. Mast, Mark Schultz <i>Appl. Phys. Lett.</i> , 83, (2003)
184.	Fabrication of high-critical current density YBa ₂ Cu ₃ O _{7-δ} films using a fluorine-free sol gel approach Y. Xu, A. Goyala, N.A. Rutter, D. Shi, M. Paranthaman, S. Sathyamurthy, P.M. Martin, and D.M. Kroeger <i>J. Mater. Res.</i> , Vol. 18, No. 3, Mar 2003
185.	A Review of Coated Conductor Development

	Y. L. Xu and D. Shi <i>Tsinghua Science and Technology</i> , 8, 342-369 (2003)
186.	Structural Characterization of Epitaxial YBCO Thin Films Prepared by a Fluorine-Free Solution Synthesis Jie Lian, H. Yao, Donglu Shi, Y. Xu, Lumin Wang, Z. Han <i>Supercon Sci & Tech.</i> 16, 838 (2003)
187.	Fabrication of High Jc YBa ₂ Cu ₃ O _{7-d} Films Using A Fluorine-Free Sol Gel Approach Yongli Xu, A. Goyal, N.A. Rutter, D. Shi, M. Paranthaman, S.Sathyamurthy, P.M. Martin, and D. M. Kroeger <i>J of Mat Res.</i> 18, 677-681 (2003)
188.	Interfacial particle bonding via an ultrathin polymer film on Al ₂ O ₃ nanoparticles by plasma polymerization Donglu Shi, Peng He, S.X. Wang, Wim J. van Ooij, L.M. Wang, Jiangang Zhao and Zhou Yu <i>J. Mater. Res.</i> , Vol. 17, No. 5, May 2002
189.	Plasma deposition of Ultrathin polymer films on carbon nanotubes Donglu Shi, Jie Lian, Peng He, L. M. Wang, Wim J. van Ooij, Mark Schulz, Yijun Liu, David B. Mast <i>Appl. Phys. Lett.</i> , Vol. 81, No. 27, 30 December 2002
190.	Fluorine-Free Sol Gel Deposition of Epitaxial YBCO Thin Films for Coated Conductors Bing Zhao, Haibo Yao, Kai Shi, Zhenghe Han, Y. Xu, and D. Shi <i>Physica C</i> (2002)
191.	Kinetics Study of ab-Plane Crack Propagation by a Modulus Measurement in Single-Domain YBa ₂ Cu ₃ O _x Donglu Shi, Philippe Odier ¹ , Andre Sulpice ¹ , D. Isfort ¹ , X. Chaud ¹ , R. Tournier ¹ , P. He, and R. Singh <i>Physica C</i> 384, 149-158 (2002)
192.	Interface Structure of YBCO Thin Films Prepared by a Non-Fluorine Sol Gel Route on a Single Crystal Substrate, Donglu Shi, Yongli Xu, J. Lian, Lumin Wang and S. McClellan <i>Supercon Sci&Tech.</i> 15 660-664 (2002)
193.	Deposition of Polymer Thin Films on ZnO Nanoparticles by a Plasma Treatment Peng He, Jie Lian, M. Wang, Wim J. van Ooij, and Donglu Shi <i>Mat. Res.Soc. Symp.</i> Vol. 703 (2002)
194.	Plasma Deposition and Characterization of Acrylic Acid Thin Film on ZnO Nanoparticles Donglu Shi, Peng He, Jie Lian, L. M. Wang, Wim J. van OoijJ. of <i>Mat Res.</i> 17, 2555-2560, 2002
195.	Interfacial Bonding via an Ultrathin Polymer Film on Al ₂ O ₃ Nanoparticles For Low-Temperature Consolidation of Ceramics D. Shi, S. X. Wang, Wim J. van Ooij, L. M. Wang, J. Zhao, and Zhou Yu <i>J. of Mat Res.</i> 17, 981-990, 2002
196.	Deposition of Extremely Thin Polymer Films on Carbon Nanotube Surfaces by a Plasma Treatment Donglu Shi and W. J. van Ooij <i>Appl. Phys. Lett.</i> , 81, (2002)
197.	Deposition and Interface Structures of YBCO Thin Films via a Non-Fluorine Sol Gel Route Donglu Shi, Yongli Xu, S. X. Wang, J. Lian, L. M. Wang, S. M. McClellan, R Buchanan, and K. C. Goretta <i>Physica C</i> 371 97-103 (2001)
198.	Multi-Layer Coating of Ultrathin Polymer Films on Nanoparticles of Alumina by a Plasma Treatment Donglu Shi, S. X. Wang, Wim J. van Ooij, L. M. Wang, Jiangang Zhao, and Zhou Yu <i>Mat. Res.Soc. Symp.</i> Vol. 635 (2001)
199.	Uniform Deposition of Ultrathin Polymer Films on the Surface of Alumin Nanoparticles by a Plasma Treatment

	Donglu Shi and W. J. van Ooij <i>Appl. Phys. Lett.</i> , 78, 1234 (2001)
200.	In vitro Behavior of Hydroxylapatite Prepared by a Thermal Deposition Method Donglu Shi, Gengwei Jiang, and Xuejun Wen “Processing and Fabrication of Advanced Materials VIII,” eds K. Khor et al. (World Scientific, Singapore), p. 117, 2001.
201.	Sol Gel Synthesis of YBCO Film on Single Domain YBCO substrate for rf Development Donglu Shi and David Qu <i>Physica C</i> , 353, 258-264, 2001
202.	Interface Structural Evolution of and YBCO from a Randomly Oriented Silver Alloy Substrate Donglu Shi, S. X. Wang, X. Wen, D. Qu, Lumin Wang, Y. Xu, S. M. McClellan, B. A. Tent <i>Physica C</i> 353, 258-264 2001
203.	Crystal Growth of Single-Domain YBCO Superconductors for Wireless Telecommunications Donglu Shi Invited article in the 2001 YEARBOOK OF SCIENCE & TECHNOLOGY by McGraw-Hill
204.	Structural Effects on Bioactivity of Hydroxyapatite Donglu Shi, Gengwei Jiang, and Jennifer Bauer <i>Appl. Biomaterials</i> , 2000
205.	Scaling Behavior of RF Surface Resistance in Oxygen Deficient Single Domain YBCO D. Qu, Brian Tent, D. Shi, A. M. Ferendeci, and D. Mast, H. A. Blackstead, and I Maartense <i>Supercon. Sci Technol</i> , 13, 902, 2000
206.	Surface Resistance of Single Domain YBCO D. Qu, D. Shi, H. A. Blackstead, A. M. Ferendeci, and D. Mast <i>Physica C</i> , 341, 2657 (2000)
207.	Direct deposition of c-axis textured YBCO thick film on unoriented metallic substrate for the development of long superconducting tapes X. J. Wen, D. Qu, B. A. Tent, Donglu Shi, M. Tomsic, L. Cowey, M. White, <i>IEEE Transactions on Applied Superconductivity</i> 07/1999; DOI: 10.1109/77.784679
208.	Development of C-Axis Textured YBCO on Unoriented Metallic Substrate Xuejun Wen, David Qu, and Donglu Shi <i>Cryogenics</i> , 1999, in press
209.	In vitro Bioactive Behavior of Hydroxylapatite-Coated Porous Alumina Donglu Shi, Gengwei Jiang, and Xuejun wen <i>Applied Biomaterials</i> , 53, 1999
210.	A Scaling Behavior of Surface resistance in the Oxygen-deficient Single Domain YBCO D. Qu, Brian Tent, Donglu Shi, S. L. Lu, A. M. Ferendeci, and D. Mast <i>Superconducting Sci & Tech</i> (2000),13 902 doi:10.1088/0953-2048/13/6/356
211.	Effect of Oxygen Anneal on rf properties in a Single Domain YBCO Cavity Resonator for Microwave Applications D. Qu, Brian Tent, Donglu Shi, S. L. Lu, A. M. Ferendeci, and D. Mast <i>IEEE-Superconductivity</i> 9: (2) 892-895, Part 1 JUN 1999
212.	Net-Shape Processing of Single Domain YBCO for a Novel High Q Millimeter Wave Resonator D. Qu, Donglu Shi, S. L. Lu, A. M. Ferendeci, and D. Mast <i>Physica C</i> 315, 36-44 (1999)
213.	Angle Dependence of Levitation Force in a YBCO Sphere B. A. Tent, D. Qu, and Donglu Shi <i>Physica C</i> 309 p. 89-97, (1998)
214.	Direct Peritectic Growth of c-Axis Textured YBCO for Development of Long Conductors Donglu Shi, D. Qu, X. Wen, B. A. Tent, and M. Tomsic <i>J. of Superconductivity</i> , 11 (1998)
215.	Angle Dependence of Magnetization in a Single Domain YBCO Sphere

	B. A. Tent, D. Qu, Donglu Shi, W. J. Bresser, P. Boolchand, and Z. X. Cai <i>Phys. Rev. B</i> , 58 p. 11761 (1998)
216.	Growth Anisotropy in Seeded Melt Growth of YBa ₂ Cu ₃ O _x Donglu Shi, David Qu, and Brian Tent Invited article: <i>Materials Science and Eng. B</i> 53, 18-22 (1998)
217.	Effect of Oxygenation on the Levitation Force In Seeded Melt Grown YB ₂ Cu ₃ O _x Donglu Shi, David Qu, and Brian Tent <i>Physica C</i> 291, 181-187 (1997)
218.	Synthesis of Hydroxyapatite Films on Porous Alumina Substrate for Hard Tissue Prosthetics Donglu Shi and Genwei Jiang <i>Materials Science & Engineering C</i> 6, 175-182 (1998)
219.	Coating of Hydroxyapatite on Highly Porous Alumina Substrate through Thermal Decomposition Method Gengwei Jiang and Donglu Shi <i>J. of Biomaterials</i> 619, (1997)
220.	Coating of Hydroxyapatite onto Highly Porous Al ₂ O ₃ for Structural Bone Substitutes Gengwei Jiang and Donglu Shi <i>J. of Biomaterials</i> 564, (1997)
221.	Surface Nucleation, Domain Growth Mechanisms, and Factors Dominating Superconducting Properties in Seeded Melt Grown YB ₂ Cu ₃ O _x Donglu Shi, K. Lahiri, S. Sagar, D. Qu, V. Pan, V. F. Solovjov, and J. R. Hull. <i>J. of Materials Research</i> 12, 3036-3045
222.	Effect of Extremely Fine Y ₂ BaCuO ₅ Precipitates on the Critical Current Density of Melt-Processed YBa ₂ Cu ₃ O _x S. Sengupta, Donglu Shi, J. S. Luo, A. Buzdin, V. Gorin, V. R. Todt, C. Varanasi, and P. J. McGinn <i>J. Appl. Phys.</i> 81, 7396-7408, (1997)
223.	Domain Orientation Dependence of Levitation Force in Seede Melt Grown YB ₂ Cu ₃ O _x Donglu Shi, D. Qu, K. Lahiri, and S. Sagar <i>Appl. Phys. Lett.</i> 70, 3606 (1997)
224.	Seeded-Melt Texturing and Melt Joining of YBa ₂ Cu ₃ O _x Krishanu Lahiri, Sandhya Sagar, and Donglu Shi <i>Crystal Growth of Novel Electronic Materials</i> , 60, 115-126, (1996)
225.	Effect of Sample Geometry on Lefitation Force in Single-Domain YBCO Sandhya Sagar, Krishanu Lahiri, David Qu, and Donglu Shi <i>IEEE Magnetics</i> , 7, 1929 (1996)
226.	A New Method to Determine the Interface Coupling Strength in Seeded-Melt Textured YBa ₂ CuO _x Donglu Shi, Krishanu Lahiri, and Sandhya Sagar <i>Cryogenics</i> , 42, 567-572 (1995)
227.	Flux Pinning by Precipitates in YBa ₂ Cu ₃ O _x - A Cavity Model S. Sengupta, Donglu Shi, C. Varanasi, P. J. McGinn, V. Gorin, A. Busdin, and J. Luo <i>Cryogenics</i> , 42, 609-616 (1995).
228.	Formation of a Strongly Coupled YBa ₂ Cu ₃ O _x Domain by a Melt-Joining Method Donglu Shi <i>Appl. Phys. Lett.</i> , 66, 2573 (1995).
229.	Avalanche Flux Dynamics in the Vortex State of Type-II Superconductors Donglu Shi and Z. Wang <i>IEEE Trans. Appl. Supercond</i> , 5, 1721 (1995).
230.	Initial Crystallization and Growth in Melt Processing of Large-Domain YBa ₂ Cu ₃ O _x for Magnetic Levitation Donglu Shi, et al. <i>IEEE Trans. Appl. Supercond</i> , 5, 1627 (1995).
231.	Growth of Large-Domain YBa ₂ Cu ₃ with New Seeding Crystals of CaNdAlO ₄ and SrLaGaO ₄ Donglu Shi and Krishanu Lahiri, et al.

	<i>Physica C</i> , 246, 253 (1995)
232.	A New Method for Net-Shape Forming of Large, Single-Domain YBa ₂ Cu ₃ O _x Y. L. Chen, H. M. Chan, M. P. Harmer, V. R. Todt, S. Sengupta, and D. Shi <i>Physica C</i> , 234, 232 (1994)
233.	Processing of Large YBaCu ₃ O _x -Domain for Levitation Applications by a NdBa ₂ Cu ₃ O _x -seeded Melt-Growth Technique V. R. Todt, S. Sengupta, Donglu Shi, J. R. Hull, P. R. Sahm, P. J. McGinn, R. Peoppel <i>J. Electronic Materials</i> , 23, 1127 (1994)
234.	Transport Resistive Broadening via Flux avalanches: SOC in a Driven System Z. Wang and Donglu Shi <i>Solid State Comm.</i> , 91, 741 (1994)
235.	Self-organized Criticality near the Bean Critical State: A Power Law Behavior of Flux Motion Z. Wang and Donglu Shi <i>Solid State Comm.</i> , 90, 405 (1994)
236.	Enhanced Flux Pinning through a Phase Formation-Decomposition-Recovery Process in Ag Sheathed Bi(Pb)SrCaCuO Wires S. X. Dou, H. K. Liu, Y. C. Guo, and Donglu Shi <i>IEEE Trans. Appl. Supercond.</i> 3, 1135-1137 (1993)
237.	Factors Dominating Transport Critical Current Behavior in High-T _c Superconductors Donglu Shi Invited article: <i>J. of Electronic Materials</i> , 22 1211, 1993
238.	Nonlinear U(j) Law from Magnetic Relaxation in Bi ₂ Sr ₂ CaCu ₂ O _x Single Crystals S. Sengupta, Donglu Shi, S. Sergeenkov, and P. J. McGinn <i>Phys. Rev. B (Rapid Comm.)</i> , 48, 6736 (1993)
239.	Thermally Activated Avalanche Flux Motion in a Single Crystal of Bi ₂ Sr ₂ CaCu ₂ O _x Z. Wang and Donglu Shi <i>Phys. Rev. B</i> 48, 9782 (1993)
240.	Effect of Flux Avalanches on Activation Energy in Type II Superconductors: Evidence for Self-Organized Criticality Z. Wang and Donglu Shi <i>Phys. Rev. B</i> 48, 4208 (1993)
241.	Critical Current Density and Irreversibility Behavior in Ag-Sheathed Bi-Based Superconducting Wires Fabricated using a Controlled Melt Procedure S. X. Dou, H. K. Liu, Y. C. Guo, X. Jin, Q. Y. Hu, Donglu Shi, S. Salem-Sugui, Jr., and Z. Wang <i>Appl. Supercond.</i> 1, 1515-1522 (1993)
242.	Effects of Bi-Substitution for Tl in 1222-Type Cuprate TlSr ₂ (Nd,Ce) ₂ Cu ₂ O _z Z. Chen, Z. Shen, Y. Tang, Y. Li, D. Pederson, K. Goretta, P. Kostic, and Donglu Shi <i>Physica C</i> 212, 206-210 (1993)
243.	Evolution of the Low-Energy Excitations and Dielectric of Ba _{1-x} K _x BiO ₃ Y. Y. Wang, H. Zhang, V. P. Dravid, Donglu Shi, D. G. Hinks, Y. Zheng, and J. Jorgensen <i>Phys. Rev. B</i> 47, 14503-14509 (1993)
244.	Penetration Field Studies on Textured YBCO from Low Field Ultrasonic Measurements Z. Li, M. Levy, B. Sarma, S. Salem-Sugui, Jr., Donglu Shi, and G. Crabtree <i>IEEE Trans. Appl. Supercond.</i> 3, 1406-1408 (1993)
245.	An Expression for the Time Dependence of Current Density with Avalanche Dynamics in Type II Superconductors Z. Wang and Donglu Shi <i>Phys. Rev. B</i> , 48 16176 (1993)
246.	An Alternative Method to Introduce Fine Y ₂ BaCuO ₅ Precipitates into YBa ₂ Cu ₃ O _x with Enhanced Flux Pinning C. Varanasi, S. Sengupta, P. J. McGinn, and Donglu Shi <i>Appl. Supercond.</i> 2, 117-121, (1993)
247.	Flux Creep Activation Energy in High-T _c Superconductors

	S. Salem-Sugui, Jr. and Donglu Shi <i>Phys. Rev. B</i> 46, 6618-6621 (1992)
248.	Point Defects in Materials, Part II: Applications to Different Materials Problems D. N. Seidman and Donglu Shi <i>MRS Bulletin</i> XVI, 18 (1991)
249.	Point Defects in Materials, Part I: Behavior and Characteristics in Different Material Classes D. N. Seidman and Donglu Shi <i>MRS Bulletin</i> XVI, 28 (1991)
250.	Effective Flux-Creep Activation Energy and Anisotropy in a Bi ₂ Sr ₂ CaCu ₂ O _x Single Crystal M. E. Smith, Donglu Shi, S. Sengupta, and Z. Wang <i>Appl. Supercond.</i> 1, 151-158 (1993)
251.	Flux Pinning in Hot Isostatically Pressed Bi ₂ Sr ₂ CaCu ₂ O _x D. J. Miller, S. Sengupta, J. D. Hettinger, D. Shi, K. E. Gray, A. S. Nash, and K. C. Goretta <i>Appl. Phys. Lett.</i> 61, 2823-2825 (1992)
252.	Effective Activation Energy in the Bi-Sr-Ca-Cu-O System S. Sengupta, Donglu Shi, Z. Wang, M. Smith, and P. J. McGinn <i>IEEE Trans. Appl. Supercond.</i> 3, 1226-1228 (1993)
253.	Critical Current Density, Irreversibility Line, and Flux-Creep Activation Energy in Silver-Sheathed Bi ₂ Sr ₂ Ca ₂ Cu ₃ O _x Donglu Shi, Z. Wang, S. Sengupta, M. E. Smith, L. F. Goodrich, S. X. Dou, H. K. Liu, and Y. C. Guo <i>IEEE Trans. Appl. Supercond.</i> 3, 1194-1196 (1993)
254.	Flux Pinning by 211 Precipitates in Melt-Textured YBa ₂ Cu ₃ O _x Donglu Shi, S. Sengupta, M. E. Smith, Z. Wang, A. C. Biondo, U. Balachandran, and K. C. Goretta <i>IEEE Trans. Appl. Supercond.</i> 3, 1034-1036 (1993)
255.	A TEM Study of Grain Boundaries in Zone-Melted YBa ₂ Cu ₃ O _x J. G. Chen, Donglu Shi, C. M. Wayman, P. J. McGinn, W. H. Chen, and N. Zhu <i>Mater. Lett.</i> 14, 177-182 (1992)
256.	Magnetic Relaxation and Intrinsic Pinning in a Single Crystal of Bi ₂ Sr ₂ CaCu ₃ O _x S. Sengupta, Donglu Shi, S. Salem-Sugui, Jr., Z. Wang, M. E. Smith, and P. J. McGinn <i>Phys. Rev. B</i> 47, 5414-5417 (1993)
257.	U-j Relationship in Type II Superconductors S. Sengupta, Donglu Shi, Z. Wang, M. E. Smith, and P. J. McGinn <i>Phys. Rev. B</i> 47, 5165-5170 (1993)
258.	Effect of Y ₂ BaCuO _x Precipitates on Flux Pinning in Melt-Processed YBa ₂ Cu ₃ O _x S. Sengupta, Donglu Shi, Z. Wang, A. C. Biondo, U. Balachandran, and K. C. Goretta. <i>Physica C</i> 199, 43-48 (1992)
259.	Current Density Dependence of the Activation Energy in Type II Superconductors S. Sengupta, Donglu Shi, S. Salem-Sugui, Jr., Zuning Wang, J. I. Budnick, and K. DeMoranville <i>J. Appl. Phys.</i> 72, 592-596 (1992)
260.	Flux-Creep Activation Energy in High-T _c Superconductors S. Salem-Sugui, Jr. and Donglu Shi <i>Phys. Rev. B</i> 46, 6618-6622 (1992)
261.	High-T _c Superconductors: Fabricating Technologies and Future Perspectives K. C. Goretta, W. Wu, C. T. Wu, D. Xu, C. A. Youngdahl, Donglu Shi, J. P. Singh, J. J. Picciolo, M. T. Lanagan, J. R. Hull, J. T. Dusek, S. E. Dorris, N. Chen, A. C. Biondo, U. Balachandran, and R. B. Poeppel Invited article: <i>Mater. Chem. Phys.</i> 31, 73-78 (1992)
262.	Magnetic Relaxation in YBa ₂ Cu ₃ O _x Donglu Shi and S. Salem-Sugui, Jr. <i>Phys. Rev. B</i> , 44, 7647-7650 (1991)
263.	Increased Irreversibility line by Precipitates Pinning in the Bi-Sr-Ca-Cu-O System

	S. Salem-Sugui, Jr., Donglu Shi, and S. E. McFarland <i>Supercond. Sci. Technol.</i> 5, 73-78 (1992)
264.	Flux Creep and Pinning Energy Distribution in Zone-Melted YBa ₂ Cu ₃ O _x Donglu Shi, K. C. Goretta, J. G. Chen, and S. Salem-Sugui, Jr. <i>Appl. Phys. Lett.</i> 59, 225-227 (1991)
265.	Critical Current and Flux Pinning by Crystal Defects in Melt-Textured YBa ₂ Cu ₃ O _x Donglu Shi, K. C. Goretta, J. G. Chen, and A. C. Biondo, Invited article: 2nd Int. Ceramic Science & Technology Congress, Nov. 12-15, 1990, Orlando, FL, <i>Ceram. Trans.</i> 18, 373-382 (1991)
266.	Strontium-Induced Oxygen Defect Structure and Hole Doping in La _{2-x} Sr _x CuO ₄ Zhengquan Tan, M. E. Filipkowski, J. I. Budnick, E. K. Heller, D. L. Brewster, B. L. Chamberland, C. E. Bouldin, J. C. Woicik, and Donglu Shi <i>Phys. Rev. Lett.</i> 64, 2715-2718 (1991)
267.	Critical Currents, Magnetic Relaxation, and Microstructure in Zone-Melted YBa ₂ Cu ₃ O _x Donglu Shi, J. G. Chen, M. Xu, P. J. McGinn, W. H. Chen, and K. C. Goretta <i>IEEE Trans. Magn.</i> 27, 1080-1082 (1991)
268.	Transport Critical Current Behavior and Grain Boundary Microstructure in YBa ₂ Cu ₃ O _x Donglu Shi, J. G. Chen, M. Xu, A. L. Cornelius, U. Balachandran, and K. C. Goretta <i>Supercond. Sci. Technol.</i> 3, 222-226 (1990)
269.	Nonlinear Logarithmic Time Decay of Magnetization and in a Single Crystal of Bi ₂ Sr ₂ CaCu ₂ O _x Donglu Shi and M. Xu <i>Phys. Rev. B</i> 44, 4548-4553 (1991)
270.	Calculations of Magnetic Relaxation in Type II Superconductors Based on Various Critical-State Models M. Xu and Donglu Shi <i>Physica C</i> 168, 303-308 (1990)
271.	Transport Critical Current Density and Microstructure in Extruded YBa ₂ Cu ₃ O _{7-x} Wires Processed by Zone Melting Donglu Shi, M. Xu, J. G. Chen, M. M. Fang, H. Krishnan, U. Welp, P. J. McGinn, W. H. Chen, M. T. Langan, K. C. Goretta, J. T. Dusek, J. J. Picciolo, J. M. Hong, D. Miller, and U. Balachandran <i>J. Appl. Phys.</i> 68, 228-232 (1990)
272.	YBa ₂ Cu ₃ O _x Toughened by ZrO ₂ Additions K. C. Goretta, O. D. Lacy, U. Balachandran, Donglu Shi, and J. L. Routbort <i>J. Mater. Sci. Lett.</i> 9, 380-381 (1990)
273.	Oxygen Stoichiometry and Flux Creep Activation Energy in YBa ₂ Cu ₃ O _{7-x} Donglu Shi and Mark S. Boley <i>Supercond. Sci. Technol.</i> 3, 285-288 (1990)
274.	Temperature and Field Dependence of Magnetic Relaxation in a Bi ₂ Sr ₂ CaCu ₂ O _x Single Crystal Donglu Shi, M. Xu, A. Umezawa, and R. F. Fox <i>Phys. Rev. B</i> 42, 2062-2065 (1990)
275.	Superconducting Transition Broadening and Flux Creep Activation Energy in Tl ₂ Ca ₂ Ba ₂ Cu ₃ O _x Donglu Shi and M. S. Boley <i>Supercond. Sci. Technol.</i> 3, 289-292 (1990)
276.	Irreversibility in BiK _{0.375} Ba _{0.625} O ₃ Donglu Shi, X. S. Ling, M. Xu, M. M. Fang, S. Luo, J. I. Budnick, B. Dabrowski, D. G. Hinks, D. R. Richards, and Y. Zheng <i>Phys. Rev. B</i> 43, 3684-3687 (1991)
277.	Crystal Defects and Critical Currents in YBa ₂ Cu ₃ O _x Donglu Shi, J. G. Chen, M. Xu, H. E. Kourous, Y. Fang, Y. H. Li, and M. S. Boley <i>Supercond. Sci. Technol.</i> 3, 457-463 (1990)
278.	Full Penetration Temperature and Magnetic Relaxation in a Single Crystal of Bi ₂ Sr ₂ CaCu ₂ O _x M. Xu, Donglu Shi, A. Umezawa, K. G. Vandervoort, and G. W. Crabtree <i>Phys. Rev. B</i> 43, 13049-13053 (1991)

279.	High Critical Current Density in Grain-Oriented Bulk YBa ₂ Cu ₃ O _x Processed by Partial-Melt Growth Donglu Shi, M. M. Fang, J. Akujieze, M. Xu, and J. G. Chen <i>Appl. Phys. Lett.</i> 57, 2606-2608 (1990)
280.	Thermally Activated Dissipation in a Long-Term Annealed Single Crystal of Bi ₂ Sr ₂ CaCu ₂ O _x Donglu Shi, H. E. Kourous, M. Xu, and D. H. Kim <i>Phys. Rev. B.</i> 43, 514-518 (1991)
281.	Generalized Critical-State Model for Hard Superconductors M. Xu, Donglu Shi, and R. F. Fox <i>Phys. Rev. B</i> 42, 10773-10776 (1990)
282.	Effect of Microstructural Changes on Thermally Activated Flux-Creep Behavior in the Bi-Sr-Ca-Cu-O System Donglu Shi, Ming Xu, M. M. Fang, J. G. Chen, A. L. Cornelius, and S. G. Lanan <i>Phys. Rev. B</i> 41 8833-8837 (1990)
283.	Microstructure and Electrical Properties of Bulk High-Tc Superconductors U. Balachandran, M. J. McGuire, K. C. Goretta, C. A. Youngdahl, Donglu Shi, R. B. Poeppel, and S. Danyluk <i>Superconductivity and Appl.</i> , Plenum Press, NY, 1990, pp. 265
284.	Effect of Microstructural Changes on Thermally Activated Flux-Creep in the Bi-Sr-Ca-Cu-O System D. Shi, M. Xu, M. M. Fang, J. G. Chen, A. L. Cornelius, and S. G. Lanan <i>Phys. Rev. B</i> 41, 8833-8837 (1990)
285.	Transport Critical Currents and Grain Boundary Weak Links in High-Tc Superconductors Donglu Shi <i>Appl. Supercond.</i> 1, 61-70 (1993)
286.	Isothermal Shear Transformation in YBa ₂ Cu ₃ O _{7-δ} Donglu Shi <i>Physica C</i> 156, 359-362 (1988)
287.	Phase Transformations in YBa ₂ Cu ₃ O _{7-δ} Donglu Shi <i>Phys. Rev. B.</i> 39, 4299-4305 (1989)
288.	Transport Critical Current Density in Bi ₂ Sr ₂ CaCu ₂ O _x Single Crystals D. Shi, Ming Tang Y. C. Chang, P. Z. Jiang, K. Vandervoort, B. Malecki, and D. J. Lam <i>Appl. Phys. Lett.</i> 54, 2358-2360 (1989)
289.	Formation of the 110 K Superconducting Phase via the Amorphous State in the Bi-Sr-Ca-Cu-O System Donglu Shi, Ming Tang, K. Vandervoort, and H. Claus <i>Phys. Rev. B.</i> 39, 9091-9098 (1989)
290.	Crystallization of Metal Oxide Glasses in Bi-Sr-Ca-Cu-O Systems Donglu Shi, M. Tang, M. S. Boley, M. Hash, K. Vandervoort, and H. Claus <i>Phys. Rev. B.</i> 40, 2247-2253 (1989)
291.	Origin of Enhanced Growth of the 110 K Superconducting Phase by Pb Doping in the Bi-Sr-Ca-Cu-O System Donglu Shi, J. Akujieze, M. S. Boley, J. G. Chen, M. Xu, and C. U. Segre <i>Appl. Phys. Lett.</i> 55, 699-701 (1989)
292.	Flux Pinning by Precipitates in the Bi-Sr-Ca-Cu-O System Donglu Shi, M. S. Boley, U. Welp, and J. G. Chen <i>Phys. Rev. B</i> 40, 5255-5258 (1989)
293.	Lattice Defects and Flux Pinning in Crystallized Metal Oxide Glasses in the Bi-Sr-Ca-Cu-O System Donglu Shi, J. G. Chen, U. Welp, M. S. Boley, and A. Zangvil <i>Appl. Phys. Lett.</i> 55, 1354-1356 (1989)
294.	Effect of Oxygen Stoichiometry on Superconducting Transition Broadening in YBa ₂ Cu ₃ O _x Donglu Shi, M. Patel, M. S. Boley, R. K. Kalia, and P. Vashishta <i>J. Appl. Phys.</i> 66, 2074-2078 (1989)
295.	Effect of Heat Treatment Time and Temperature on the Properties of YBa ₂ Cu ₃ O _x

	I. Bloom, B. S. Tani, M. C. Hash, Donglu Shi, M. A. Patel, K. C. Goretta, N. Chen, and D. W. Capone <i>J. Mater. Res.</i> 4, 1093-1098 (1989)
296.	Synthesis and Sintering of $Tl_2Ca_2Ba_2Cu_3O_x$ K. C. Goretta, Donglu Shi, B. S. Malecki, M. C. Hash, and I. Bloom <i>Supercond. Sci. Technol.</i> 2, 192-194 (1989)
297.	Temperature Dependence of Flux Pinning Behavior in $YBa_2Cu_3O_x$ Donglu Shi, M. Xu, M. S. Boley, and U. Welp <i>Physica C</i> 160, 417-423 (1989)
298.	Highly Textured Thick Films by a Melt-Annealing Technique in the Bi-Sr-Ca-Cu-O M. Xu, A. L. Cornelius, Donglu Shi, J. G. Chen, B. Dabrowski, D. Miller <i>Appl. Phys. Lett.</i> 55, 2236-2238 (1989)
299.	Effect of Silver and Silver Oxide Additions on the Mechanical and Superconducting Properties of $YBa_2Cu_3O_{7-\delta}$ Superconductors J. P. Singh, H. J. Leu, R. B. Poeppel, E. Van Voorhees, G. T. Goudey, K. Winsley, and Donglu Shi <i>J. Appl. Phys.</i> 66, 3154 (1989)
300.	Anisotropy of Oxygen Tracer Diffusion in $YBa_2Cu_3O_{7-\delta}$ Single Crystals S. J. Rothman, J. L. Routbort, J.-Z. Liu, J. W. Downey, L. J. Thompson, Y. Fang, Donglu Shi, J. E. Baker, J. P. Rice, D. M. Ginsberg, P. D. Han, and D. A. Payne <i>Def. Diff. Forum</i> 75, 57-68 (1991)
301.	Oxygen Diffusion and Phase Transformation in $YBa_2Cu_3O_{7-x}$ Donglu Shi, J. Kruczkak, Ming Tang, Nan Chen, and R. Bhadra <i>J. Appl. Phys.</i> 66, 4325-4328 (1989)
302.	Influence of Oxygen Concentration on Processing $YBa_2Cu_3O_{7-x}$ N. Chen, Donglu Shi, and K. C. Goretta <i>J. Appl. Phys.</i> 66, 2485-2488 (1989)
303.	A Superconducting Coil Made of Filamentary Composites Donglu Shi, M. Xu, J. G. Chen, S. G. Lanan, D. Miller, and K. C. Goretta <i>Mater. Lett.</i> 9, 1-4 (1989)
304.	Flux Pinning and Twin Boundaries in $YBa_2Cu_3O_{7-x}$ Donglu Shi, M. Boley, J. G. Chen, M. Tang, U. Welp, W. K. Kwok, B. Malecki <i>Supercond. Sci. Technol.</i> 2, 255-260 (1989)
305.	Synthesis of a Phase-Pure Orthorhombic $YBa_2Cu_3O_x$ under Low Oxygen Pressure U. Balachandran, R. B. Poeppel, J. E. Emerson, S. A. Johnson, M. T. Lanagan, C. A. Youngdahl, Donglu Shi, K. C. Goretta, and N. G. Eror <i>Mater. Lett.</i> 8, 454-456 (1989)
306.	Swaged Superconducting Wires Donglu Shi and K. C. Goretta <i>Mater. Lett.</i> 7, 428-432 (1989)
307.	Synthesis of 85 K Bi-Sr-Ca-Cu-O Superconductor F. A. Karbarz, O. D. Lacy, K. C. Goretta, U. Balachandran, D. Shi, J. G. Chen, Ming Xu, and M. C. Hash <i>Mater. Res. Bull.</i> 25, 251-256 (1989)
308.	Kinetics of the Orthorhombic to Tetragonal Phase Transition in $YBa_2Cu_3O_{7-\delta}$ Donglu Shi and D. W. Capone II High Temperature Superconductors II, ed. D. W. Capone II et al. (MRS, Pittsburgh, PA, 1988) pp. 175
309.	Microstructural Analysis of Superconducting Ceramics Donglu Shi and R. H. Lee <i>Microscopy</i> 36, 191-203 (1988)
310.	120 K Superconductivity in the (Bi,Pb)-Sr-Ca-Cu-O System U. Balachandran, Donglu Shi, D. I. Dos Santos, S. W. Graham, M. A. Patel, B. S. Tani, K. Vandervoort, H. Claus, and R. B. Poeppel <i>Physica C</i> 156, 649-651 (1988)

311.	Sintering of YBa ₂ Cu ₃ O _{7-x} Compacts Donglu Shi, D. W. Capone II, G. T. Goudey, J. P. Singh, N. J. Zaluzec, and K. C. Goretta <i>Mater. Lett.</i> 6, 217-221 (1988)
312.	A Time-Temperature-Transformation Diagram for the Orthorhombic to Tetragonal Phase Transition in YBa ₂ Cu ₃ O _{7-δ} Donglu Shi, D. W. Capone II, K. C. Goretta, K. Zhang, and G. T. Goudey <i>J. Appl. Phys.</i> 63, 5411-5414 (1988)
313.	60 K to 90 K Superconducting Phase Transition in YBa ₂ Cu ₃ O _{7-δ} Donglu Shi and D. W. Capone II <i>Appl. Phys. Lett.</i> 53, 159-161 (1988)
314.	Mechanical and Superconducting Properties of Sintered Composite YBa ₂ Cu ₃ O _{7-δ} Tape on Silver Substrate J. P. Singh, Donglu Shi, and D. W. Capone II <i>Appl. Phys. Lett.</i> 53, 237-239 (1988)
315.	Nucleation and Growth Kinetics of the Tetragonal to Orthorhombic Transition in YBa ₂ Cu ₃ O _{7x} Donglu Shi, K. Zhang, and D. W. Capone II <i>J. Appl. Phys.</i> 64, 1995-1998 (1988)
316.	Synthesis, Structure, and Superconductivity in the Ba _{1-x} K _x BiO _{3-y} System, D. G. Hinks, B. Dabrowski, J. D. Jorgensen, A. W. Mitchell, D. R. Richards, Shiyu Pei, and Donglu Shi <i>Nature</i> 333, 836-838 (1988)
317.	110 K Superconductivity in Crystallized Bi-Sr-Ca-Cu-O Glasses Donglu Shi, Monica Blank, Mita Patel, David G. Hinks, A. W. Mitchell, K. Vandervoort, and H. Claus <i>Physica C</i> 156, 822-826 (1988)
318.	Preparation of Bi-Sr-Ca-Cu-O Superconductors from Oxide-Glass Precursors D. G. Hinks, L. Soderholm, D. W. Capone II, B. Dabrowski, A. W. Mitchell, and Donglu Shi <i>Appl. Phys. Lett.</i> 53, 423-425 (1988)
319.	Observations of Preferred Orientation in High-T _c Oxide Superconductor Tapes J. P. Singh, U. Balachandran, Donglu Shi, J. K. Degener, and R. B. Poeppel <i>Mater. Lett.</i> 7, 72-74 (1988)
320.	Upper Critical Fields of YBa ₂ Cu ₃ O _{7-δ} with 60 K and 90 K Superconductivity and the Weak Link Effect in the System Donglu Shi <i>Appl. Phys.</i> 64, 4624-4626 (1988)
321.	120 K Superconductivity in the (Bi,Pb)-Sr-Ca-Cu-O System U. Balachandran, Donglu Shi, D. I. Dos Santos, S. W. Graham, M. A. Patel, B. S. Tani, K. Vandervoort, H. Claus, and R. B. Poeppel <i>Physica C</i> 156, 649-651 (1988)
322.	Calcination of YBa ₂ Cu ₃ O _{7-x} Powder K. C. Goretta, Ira Bloom, N. Chen, G. T. Goudey, M. C. Hash, G. Klassen, M. T. Lanagan, R. B. Poeppel, J. P. Singh, Donglu Shi, U. Balachandran, J. T. Dusek, and D. W. Capone II <i>Mater. Lett.</i> 7, 161-164 (1988)
323.	Effect of Heating Rate on Properties of YBa ₂ Cu ₃ O _{7-x} N. Chen, K. C. Goretta, M. T. Lanagan, Donglu Shi, M. A. Patel, I. Bloom, M. C. Hash, B. S. Tani, and D. W. Capone II <i>Supercond. Sci. Technol.</i> 1, 177-179 (1988)
324.	Observations of Preferred Orientation in High T _c Oxide Superconductor Tapes J. P. Singh, U. Balachandran, Donglu Shi, J. K. Degener, and R. B. Poeppel <i>Mater. Lett.</i> 7, 72-75 (1988)

325.	Mechanical and Superconducting Properties of Sintered Composite YBa₂Cu₃O_{7-δ} Tape on Silve Substrate J. P. Singh, Donglu Shi, and D. W. Capone <u>Appl. Phys. Lett.</u>, 53, 239-241 (1987)
326.	New Processing Technique for Forming Flexible A-15 Superconducting Tapes with Extremely High Critical Current Densities and Magnetic Fields M. T. Clapp and Donglu Shi <u>Appl. Phys. Lett.</u>, 49, 1305-1307 (1986)
327.	A Flexible A-15 Superconducting Tape in the Nb₃(AlSiB) System M. T. Clapp and Donglu Shi <u>Adv. Cryog. Eng. Mater.</u> 32, 1067-1072 (1986)
328.	Flexible A-15 Superconducting Tapes via the Amorphous State M. T. Clapp and Donglu Shi <u>J. Appl. Phys.</u> 57, 4672-4678 (1985)