

Jianping Lu

List of Publications by Year in descending order

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194
papers

11,256
citations

38742

50
h-index

29157

104
g-index

197
all docs

197
docs citations

197
times ranked

8941
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility of dual-energy CBCT by spectral filtration of a dual-focus CNT x-ray source. <i>PLoS ONE</i> , 2022, 17, e0262713.	2.5	3
2	Feasibility of a prototype carbon nanotube enabled stationary digital chest tomosynthesis system for identification of pulmonary nodules by pulmonologists. <i>Journal of Thoracic Disease</i> , 2022, 14, 257-268.	1.4	0
3	A stationary head CT prototype with CNT x-ray source arrays. , 2022, , .		0
4	Volumetric imaging and reconstruction with stationary head CT system using carbon nanotube x-ray source arrays. , 2022, , .		0
5	Orthogonal tomosynthesis for whole body skeletal imaging enabled by carbon nanotube x-ray source array. , 2022, , .		0
6	Applying synthetic radiography to intraoral tomosynthesis: a step towards achieving 3D imaging in the dental clinic. <i>Dentomaxillofacial Radiology</i> , 2021, 50, 20200159.	2.7	2
7	Point-of-Care Tomosynthesis Imaging of the Wrist. <i>Military Medicine</i> , 2021, 186, 745-750.	0.8	1
8	Evaluation of carbon nanotube x-ray source array for stationary head computed tomography. <i>Medical Physics</i> , 2021, 48, 1089-1099.	3.0	15
9	Comparative evaluation of tomosynthesis, computed tomography, and magnetic resonance imaging findings for metacarpophalangeal joints from equine cadavers. <i>American Journal of Veterinary Research</i> , 2021, 82, 872-879.	0.6	1
10	Simulation on system configuration for stationary head CT using linear carbon nanotube x-ray source arrays. <i>Journal of Medical Imaging</i> , 2021, 8, 052114.	1.5	1
11	Simulation on system configuration for stationary head CT using linear carbon nanotube x-ray source arrays. <i>Journal of Medical Imaging</i> , 2021, 8, 052114.	1.5	5
12	The role of stationary intraoral tomosynthesis in reducing proximal overlap in bitewing radiography. <i>Dentomaxillofacial Radiology</i> , 2020, 49, 20190504.	2.7	11
13	Visualizing microcalcifications in lumpectomy specimens: an exploration into the clinical potential of carbon nanotube-enabled stationary digital breast tomosynthesis. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 045040.	1.2	1
14	Initial Clinical Experience with Stationary Digital Breast Tomosynthesis. <i>Academic Radiology</i> , 2019, 26, 1363-1372.	2.5	0
15	Initial clinical evaluation of stationary digital chest tomosynthesis in adult patients with cystic fibrosis. <i>European Radiology</i> , 2019, 29, 1665-1673.	4.5	8
16	Generating synthetic mammograms for stationary 3D mammography. , 2019, , .		2
17	An update on carbon nanotube-enabled X-ray sources for biomedical imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018, 10, e1475.	6.1	35
18	Characterization and preliminary imaging evaluation of a clinical prototype stationary intraoral tomosynthesis system. <i>Medical Physics</i> , 2018, 45, 5172-5185.	3.0	13

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19	Phantom-based study exploring the effects of different scatter correction approaches on the reconstructed images generated by contrast-enhanced stationary digital breast tomosynthesis. Journal of Medical Imaging, 2018, 5, 1.	1.5	3
20	Stationary digital intraoral tomosynthesis: demonstrating the clinical potential of the first-generation system. , 2018, , .		4
21	Initial clinical evaluation of gated stationary digital chest tomosynthesis. , 2018, , .		1
22	Contrast enhanced imaging with a stationary digital breast tomosynthesis system. Proceedings of SPIE, 2017, , .	0.8	2
23	Stationary intraoral tomosynthesis for dental imaging. Proceedings of SPIE, 2017, , .	0.8	2
24	Second generation stationary digital breast tomosynthesis system with faster scan time and wider angular span. Medical Physics, 2017, 44, 4482-4495.	3.0	15
25	Estimating scatter from sparsely measured primary signal. Journal of Medical Imaging, 2017, 4, 013508.	1.5	4
26	Neurocognitive sparing of desktop microbeam irradiation. Radiation Oncology, 2017, 12, 127.	2.7	8
27	Structural and functional connectivity between the lateral posteriorâ€pulvinar complex and primary visual cortex in the ferret. European Journal of Neuroscience, 2016, 43, 230-244.	2.6	15
28	Plasmon-gating photoluminescence in graphene/GeSi quantum dots hybrid structures. Scientific Reports, 2016, 5, 17688.	3.3	3
29	A new generation of stationary digital breast tomosynthesis system with wider angular span and faster scanning time. Proceedings of SPIE, 2016, , .	0.8	1
30	Interior tomographic imaging of mouse heart in a carbon nanotube micro-CT. Journal of X-Ray Science and Technology, 2016, 24, 549-563.	1.0	6
31	Optical geometry calibration method for free-form digital tomosynthesis. Proceedings of SPIE, 2016, , .	0.8	1
32	Initial clinical evaluation of stationary digital chest tomosynthesis. , 2016, , .		2
33	Stationary digital chest tomosynthesis for coronary artery calcium scoring. , 2016, , .		0
34	Low dose scatter correction for digital chest tomosynthesis. , 2015, , .		1
35	Prospective gated chest tomosynthesis using CNT X-ray source array. Proceedings of SPIE, 2015, , .	0.8	1
36	Initial clinical evaluation of stationary digital breast tomosynthesis. Proceedings of SPIE, 2015, , .	0.8	2

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37	Feasibility study of the diagnosis and monitoring of cystic fibrosis in pediatric patients using stationary digital chest tomosynthesis. Proceedings of SPIE, 2015, , .	0.8	0
38	Stationary intraoral digital tomosynthesis using a carbon nanotube X-ray source array. Dentomaxillofacial Radiology, 2015, 44, 20150098.	2.7	16
39	Evaluation of Back Projection Methods for Breast Tomosynthesis Image Reconstruction. Journal of Digital Imaging, 2015, 28, 338-345.	2.9	6
40	Stationary chest tomosynthesis using a carbon nanotube x-ray source array: a feasibility study. Physics in Medicine and Biology, 2015, 60, 81-100.	3.0	34
41	Fiber-optic detector for real time dosimetry of a micro-planar x-ray beam. Medical Physics, 2015, 42, 1966-1972.	3.0	18
42	Treating Brain Tumor with Microbeam Radiation Generated by a Compact Carbon-Nanotube-Based Irradiator: Initial Radiation Efficacy Study. Radiation Research, 2015, 184, 322.	1.5	16
43	Ray-tracing-based reconstruction algorithms for digital breast tomosynthesis. Journal of Electronic Imaging, 2015, 24, 023028.	0.9	3
44	Implementation of interior micro-CT on a carbon nanotube dynamic micro-CT scanner for lower radiation dose. , 2015, , .		2
45	Statistical iterative reconstruction to improve image quality for digital breast tomosynthesis. Medical Physics, 2015, 42, 5377-5390.	3.0	15
46	Adapted fan-beam volume reconstruction for stationary digital breast tomosynthesis. , 2015, , .		6
47	Delayed Contrast Enhancement Imaging of a Murine Model for Ischemia Reperfusion with Carbon Nanotube Micro-CT. PLoS ONE, 2015, 10, e0115607.	2.5	3
48	Rectangular Fixed-Gantry CT Prototype: Combining CNT X-Ray Sources and Accelerated Compressed Sensing-Based Reconstruction. IEEE Access, 2014, 2, 971-981.	4.2	32
49	Evaluation of imaging geometry for stationary chest tomosynthesis. Proceedings of SPIE, 2014, , .	0.8	3
50	High resolution X-ray fluorescence imaging for a microbeam radiation therapy treatment planning system. , 2014, , .		0
51	Pre-computed backprojection based penalized-likelihood (PPL) reconstruction with an edge-preserved regularizer for stationary Digital Breast Tomosynthesis. Proceedings of SPIE, 2014, , .	0.8	1
52	Pilot study for compact microbeam radiation therapy using a carbon nanotube field emission micro-CT scanner. Medical Physics, 2014, 41, 061710.	3.0	18
53	Physiologically gated microbeam radiation using a field emission x-ray source array. Medical Physics, 2014, 41, 081705.	3.0	12
54	Breast tomosynthesis imaging configuration optimization based on computer simulation. Journal of Electronic Imaging, 2014, 23, 013017.	0.9	5

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55	Nanotube x-ray for cancer therapy: a compact microbeam radiation therapy system for brain tumor treatment. <i>Expert Review of Anticancer Therapy</i> , 2014, 14, 1411-1418.	2.4	13
56	Image-guided microbeam irradiation to brain tumour bearing mice using a carbon nanotube x-ray source array. <i>Physics in Medicine and Biology</i> , 2014, 59, 1283-1303.	3.0	21
57	Comparison of a Stationary Digital Breast Tomosynthesis System to Magnified 2D Mammography Using Breast Tissue Specimens. <i>Academic Radiology</i> , 2014, 21, 1547-1552.	2.5	12
58	Ab initio investigation of the structural and electronic properties of amorphous HgTe. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 045503.	1.8	0
59	The structural and electronic properties of amorphous HgCdTe from first-principles calculations. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 025304.	2.8	2
60	Carbon nanotube electron field emitters for x-ray imaging of human breast cancer. <i>Nanotechnology</i> , 2014, 25, 245704.	2.6	52
61	Increased microcalcification visibility in lumpectomy specimens using a stationary digital breast tomosynthesis system. , 2014, , .		2
62	TU-F-BRF-09: Feasibility Study of Spatial and Temporal Fractionation Using a Table-Top Image-Guided MRT System. <i>Medical Physics</i> , 2014, 41, 472-472.	3.0	0
63	WE-G-BRE-01: A High Power Nanotube X-Ray Microbeam Irradiator for Preclinical Brain Tumor Treatment. <i>Medical Physics</i> , 2014, 41, 517-517.	3.0	0
64	Physiologically gated micro-beam radiation therapy using electronically controlled field emission x-ray source array. , 2013, 8671, .		2
65	Band gap tuning in HgTe through uniaxial strains. <i>Solid State Communications</i> , 2013, 166, 1-5.	1.9	3
66	Demonstration of a scatter correction technique in digital breast tomosynthesis. <i>Proceedings of SPIE</i> , 2013, , .	0.8	3
67	Development of a line electron focusing lens for carbon nanotube field emission based microbeam radiation device. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
68	Noise power spectrum and modulation transfer function analysis of breast tomosynthesis imaging. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
69	Stationary chest tomosynthesis using a CNT x-ray source array. <i>Proceedings of SPIE</i> , 2013, , .	0.8	10
70	Comparison of the diagnostic accuracy of stationary digital breast tomosynthesis to digital mammography with respect to lesion characterization in breast tissue biopsy specimens: a preliminary study. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
71	An application of pre-computed backprojection based penalized-likelihood (PPL) image reconstruction on stationary digital breast tomosynthesis. , 2013, , .		2
72	Feasibility of stationary digital breast tomosynthesis as an effective screening tool for patients with augmentation mammoplasty. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0

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73	Rectangular computed tomography using a stationary array of CNT emitters: initial experimental results. , 2013, , .		5
74	Detection of Aortic Arch Calcification in Apolipoprotein Eâ€Null Mice Using Carbon Nanotubeâ€Based Microâ€CT System. Journal of the American Heart Association, 2013, 2, e003358.	3.7	12
75	Dependency of image quality on system configuration parameters in a stationary digital breast tomosynthesis system. Medical Physics, 2013, 40, 031917.	3.0	42
76	SU-F-500-10: Targeted Delivery of Microbeam Irradiation and Initial Mouse Brain Tumor Model Studies Using a Table Top MRT System. Medical Physics, 2013, 40, 384-385.	3.0	0
77	Optimizing configuration parameters of a stationary digital breast tomosynthesis system based on carbon nanotube x-ray sources. , 2012, , .		3
78	Non-contact respiration monitoring for<i>in-vivo</i> murine micro computed tomography: characterization and imaging applications. Physics in Medicine and Biology, 2012, 57, 5749-5763.	3.0	12
79	High resolution stationary digital breast tomosynthesis using distributed carbon nanotube xâ€ray source array. Medical Physics, 2012, 39, 2090-2099.	3.0	118
80	Torsional electromechanical systems based on carbon nanotubes. Reports on Progress in Physics, 2012, 75, 116501.	20.1	20
81	A stationary digital breast tomosynthesis scanner. Proceedings of SPIE, 2012, , .	0.8	1
82	A new x-ray scatter reduction method based on frequency division multiplexing x-ray imaging technique. , 2012, , .		0
83	X-ray fluorescence molecular imaging with high sensitivity: feasibility study in phantoms. Proceedings of SPIE, 2012, , .	0.8	2
84	Anode thermal analysis of high power microfocus CNT x-ray tubes for in vivo small animal imaging. Proceedings of SPIE, 2012, , .	0.8	8
85	TU-E-217BCD-11: Evaluating the Performance of a Stationary Digital Breast Tomosynthesis System. Medical Physics, 2012, 39, 3916-3916.	3.0	0
86	SU-D-217A-01: A High-Resolution in Vivo Molecular Imaging Technique Based on X- Ray Fluorescence. Medical Physics, 2012, 39, 3620-3620.	3.0	1
87	WE-C-217BCD-03: Restricted Data Set Reconstruction Based on Respiration Quality to Improve Prospectively Gated in Vivo Micro-CT of Mice. Medical Physics, 2012, 39, 3949-3950.	3.0	0
88	Prospective Respiratory Gated Carbon Nanotube Micro Computed Tomography. Academic Radiology, 2011, 18, 588-593.	2.5	15
89	Band Gap Tuning of Hydrogenated Graphene: H Coverage and Configuration Dependence. Journal of Physical Chemistry C, 2011, 115, 3236-3242.	3.1	167
90	Carbon nanotube based X-ray sources: Applications in pre-clinical and medical imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 648, S281-S283.	1.6	19

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91	Design and feasibility studies of a stationary digital breast tomosynthesis system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 648, S220-S223.	1.6	10
92	Quantum conductance of armchair carbon nanocoils: roles of geometry effects. Science China: Physics, Mechanics and Astronomy, 2011, 54, 841-845.	5.1	7
93	Image reconstruction from limited angle projections collected by multisource interior x-ray imaging systems. Physics in Medicine and Biology, 2011, 56, 6337-6357.	3.0	24
94	Stationary digital breast tomosynthesis with distributed field emission x-ray tube. Proceedings of SPIE, 2011, 7961, .	0.8	25
95	Superelasticity of Carbon Nanocoils from Atomistic Quantum Simulations. Nanoscale Research Letters, 2010, 5, 478-483.	5.7	62
96	Investigation of sparse data mouse imaging using micro-CT with a carbon-nanotube-based X-ray source. Tsinghua Science and Technology, 2010, 15, 74-78.	6.1	7
97	Imaging quality assessment of multiplexing x-ray radiography based on multi-beam x-ray source technology. , 2010, , .		0
98	Prospective gated cardiac micro-CT imaging of free-breathing mice using carbon nanotube field emission x-ray. Medical Physics, 2010, 37, 5306-5312.	3.0	46
99	Desktop micro-CT with a nanotube field emission x-ray source for high-resolution cardiac imaging. , 2010, , .		0
100	Design and characterization of a carbon-nanotube-based micro-focus x-ray tube for small animal imaging. , 2010, , .		9
101	Multi-beam x-ray source breast tomosynthesis reconstruction with different algorithms. , 2010, 7622, 76220H.		10
102	Distributed source x-ray tube technology for tomosynthesis imaging. Proceedings of SPIE, 2010, 7622, 76225M.	0.8	14
103	Temporal multiplexing radiography for dynamic x-ray imaging. Review of Scientific Instruments, 2009, 80, 093902.	1.3	8
104	Compressive sampling based interior reconstruction for dynamic carbon nanotube micro-CT. Journal of X-Ray Science and Technology, 2009, 17, 295-303.	1.0	20
105	Design and characterization of a spatially distributed multibeam field emission x-ray source for stationary digital breast tomosynthesis. Medical Physics, 2009, 36, 4389-4399.	3.0	81
106	A dynamic micro-CT scanner based on a carbon nanotube field emission x-ray source. Physics in Medicine and Biology, 2009, 54, 2323-2340.	3.0	117
107	First-Principles Study of Water Chains Encapsulated in Single-Walled Carbon Nanotube. Journal of Physical Chemistry C, 2009, 113, 5368-5375.	3.1	45
108	Breast tomosynthesis reconstruction with a multi-beam x-ray source. , 2009, , .		9

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109	Stationary digital breast tomosynthesis system with a multi-beam field emission x-ray source array. Proceedings of SPIE, 2008, , .	0.8	23
110	Hadamard multiplexing radiography based on carbon nanotube field emission multi-pixel x-ray technology. Proceedings of SPIE, 2008, , .	0.8	2
111	Respiratory-gated micro-CT using a carbon nanotube based micro-focus field emission x-ray source. , 2008, , .		3
112	Multiplexing radiography based on carbon nanotube field emission X-ray technology. , 2007, , .		3
113	Evaluation of frequency multiplexing radiography based on multi-pixel x-ray technology. , 2007, , .		1
114	Carbon nanotube based microfocus field emission x-ray source for microcomputed tomography. Applied Physics Letters, 2006, 89, 103111.	3.3	147
115	Development of a carbon nanotube based microfocus x-ray tube with single focusing electrode. Review of Scientific Instruments, 2006, 77, 054302.	1.3	48
116	Effects of Sidewall Functionalization on Conducting Properties of Single Wall Carbon Nanotubes. Nano Letters, 2006, 6, 916-919.	9.1	213
117	True Nanocable Assemblies with Insulating BN Nanotube Sheaths and Conducting Cu Nanowire Cores. Journal of Physical Chemistry B, 2006, 110, 2529-2532.	2.6	45
118	A multi-beam x-ray imaging system based on carbon nanotube field emitters. , 2006, 6142, 10.		16
119	Three-Dimensional Tomosynthesis Reconstruction from 1D and 2D X-ray Source Arrays. , 2006, , .		1
120	Multiplexing radiography using a carbon nanotube based x-ray source. Applied Physics Letters, 2006, 89, 064106.	3.3	53
121	Nanocables made of a transition metal wire and boron nitride sheath: Density functional calculations. Physical Review B, 2006, 74, .	3.2	24
122	Engineering the Electronic Structure of Single-Walled Carbon Nanotubes by Chemical Functionalization. ChemPhysChem, 2005, 6, 598-601.	2.1	71
123	Distinct properties of single-wall carbon nanotubes with monovalent sidewall additions. Nanotechnology, 2005, 16, 635-638.	2.6	61
124	Stationary scanning x-ray source based on carbon nanotube field emitters. Applied Physics Letters, 2005, 86, 184104.	3.3	171
125	A nanotube-based field emission x-ray source for microcomputed tomography. Review of Scientific Instruments, 2005, 76, 094301.	1.3	60
126	Calculations of electronic structure of Ge ₄₄ Mn ₂ Ba ₈ and Ge ₄₂ Mn ₄ Ba ₈ clathrates. Physical Review B, 2004, 70, .	3.2	5

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127	Effect of residual catalyst on the vibrational modes of single-walled carbon nanotubes. Journal of Applied Physics, 2004, 96, 5158-5162.	2.5	6
128	Dynamic radiography using a carbon-nanotube-based field-emission x-ray source. Review of Scientific Instruments, 2004, 75, 3264-3267.	1.3	80
129	Complete Spin Polarization for a Carbon Nanotube with an Adsorbed Atomic Transition-Metal Chain. Nano Letters, 2004, 4, 561-563.	9.1	75
130	Electronic Properties of Carbon Nanotubes with Covalent Sidewall Functionalization. Journal of Physical Chemistry B, 2004, 108, 4227-4230.	2.6	283
131	Electron Field Emission from Carbon Nanotubes: Modeling and Simulations. Molecular Simulation, 2004, 30, 199-203.	2.0	8
132	Noncovalent functionalization of carbon nanotubes by aromatic organic molecules. Applied Physics Letters, 2003, 82, 3746-3748.	3.3	260
133	A nonorthogonal tight-binding total energy model for molecular simulations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 319, 523-529.	2.1	18
134	Modeling and simulations of carbon nanotubes and their junctions on surfaces. Applied Surface Science, 2003, 219, 123-128.	6.1	19
135	Magnetism of Transition-Metal/Carbon-Nanotube Hybrid Structures. Physical Review Letters, 2003, 90, 257203.	7.8	198
136	Gas adsorption in single-walled carbon nanotubes studied by NMR. Physical Review B, 2003, 68, .	3.2	76
137	Quantum interference effects in electronic transport through nanotube contacts. Physical Review B, 2003, 67, .	3.2	37
138	Electron Field Emission Properties of Closed Carbon Nanotubes. Physical Review Letters, 2003, 91, 236801.	7.8	115
139	Quantum transport properties of ultrathin silver nanowires. Nanotechnology, 2003, 14, 501-504.	2.6	75
140	Pressure-induced metallization in solid boron. Physical Review B, 2002, 66, .	3.2	50
141	Work functions of pristine and alkali-metal intercalated carbon nanotubes and bundles. Physical Review B, 2002, 65, .	3.2	183
142	Generation of continuous and pulsed diagnostic imaging x-ray radiation using a carbon-nanotube-based field-emission cathode. Applied Physics Letters, 2002, 81, 355-357.	3.3	446
143	Gas molecule adsorption in carbon nanotubes and nanotube bundles. Nanotechnology, 2002, 13, 195-200.	2.6	1,076
144	Binding energies and electronic structures of adsorbed titanium chains on carbon nanotubes. Physical Review B, 2002, 66, .	3.2	103

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145	Contact resistance between carbon nanotubes. <i>Physical Review B</i> , 2001, 63, .	3.2	235
146	Nonlinear dynamical properties of a somatosensory cortical model. <i>Information Sciences</i> , 2001, 132, 53-66.	6.9	3
147	Structural phase transition in carbon nanotube bundles under pressure. <i>Physical Review B</i> , 2000, 61, 5939-5944.	3.2	200
148	First-Principles Study of Li-Intercalated Carbon Nanotube Ropes. <i>Physical Review Letters</i> , 2000, 85, 1706-1709.	7.8	298
149	Lattice-Oriented Growth of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6505-6508.	2.6	98
150	Structural and electronic properties of germanium clathrates Ge_{46} and K_8Ge_{46} . <i>Physical Review B</i> , 1999, 60, 14177-14181.	3.2	19
151	Band-gap change of carbon nanotubes: Effect of small uniaxial and torsional strain. <i>Physical Review B</i> , 1999, 60, 13874-13878.	3.2	352
152	Vibrational modes of carbon nanotubes and nanoropes. <i>Physical Review B</i> , 1999, 60, 6535-6540.	3.2	156
153	Atomic Scale Sliding and Rolling of Carbon Nanotubes. <i>Physical Review Letters</i> , 1999, 83, 5050-5053.	7.8	176
154	Structural properties and vibrational modes of Si_{34} and Si_{46} clathrates. <i>Physical Review B</i> , 1997, 56, 13898-13901.	3.2	60
155	Elastic Properties of Carbon Nanotubes and Nanoropes. <i>Physical Review Letters</i> , 1997, 79, 1297-1300.	7.8	1,458
156	Elastic properties of single and multilayered nanotubes. <i>Journal of Physics and Chemistry of Solids</i> , 1997, 58, 1649-1652.	4.0	225
157	GUTZWILLER APPROXIMATION IN DEGENERATE HUBBARD MODELS. <i>International Journal of Modern Physics B</i> , 1996, 10, 3717-3725.	2.0	6
158	Effects of orientational disorder on the electronic structure and transport in $\text{Ax}C_{70}$. <i>Physical Review B</i> , 1995, 51, 16615-16618.	3.2	1
159	Novel Magnetic Properties of Carbon Nanotubes. <i>Physical Review Letters</i> , 1995, 74, 1123-1126.	7.8	279
160	Density-functional calculations of the structure and stability of C_{240} . <i>Physical Review B</i> , 1994, 49, 8526-8528.	3.2	56
161	Metal-insulator transitions in degenerate Hubbard models and $\text{Ax}C_{60}$. <i>Physical Review B</i> , 1994, 49, 5687-5690.	3.2	116
162	Shape of large single- and multiple-shell fullerenes. <i>Physical Review B</i> , 1994, 49, 11421-11424.	3.2	107

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163	Orientational correlations and order in A3C60. Applied Physics A: Materials Science and Processing, 1993, 56, 215-217.	2.3	18
164	Yu, Salamon, and Lu reply. Physical Review Letters, 1993, 71, 1658-1658.	7.8	20
165	Comparison of spin dynamics in YBa2Cu3O7 δ and La2 δ xSrxCuO4: Effects of Fermi-surface geometry. Physical Review B, 1993, 47, 9055-9076.	3.2	216
166	Evidence for d _{x²-y²} pairing from nuclear-magnetic-resonance experiments in the superconducting state of YBa2Cu3O7. Physical Review B, 1993, 47, 9151-9154.	3.2	110
167	Magnetotransport properties of magnetic granular solids: The role of unfilled d bands. Physical Review B, 1993, 48, 6728-6731.	3.2	36
168	Pairing instabilities in the two-dimensional Hubbard model. Physical Review B, 1992, 46, 11163-11166.	3.2	32
169	Ground state and phase transitions in solid C60. Physical Review Letters, 1992, 68, 1551-1554.	7.8	269
170	Neutron scattering as a probe for unconventional superconducting states. Physical Review Letters, 1992, 68, 125-128.	7.8	72
171	Magnetic interactions in the metallic phase of the copper oxides: A Fermi-liquid description. Physical Review B, 1992, 45, 4930-4940.	3.2	32
172	Ground-state structural and dynamical properties of solid C60 from an empirical intermolecular potential. Physical Review B, 1992, 46, 4301-4303.	3.2	70
173	Orientational Disorder and Electronic States in C60 and A3C60, where A is an Alkali Metal. Physical Review Letters, 1992, 68, 1050-1053.	7.8	148
174	Orientational disorder and normal-state electronic-transport properties of A3C60. Physical Review B, 1992, 46, 4367-4370.	3.2	46
175	Thermal conductivity of an untwinned YBa2Cu3O7 δ single crystal and a new interpretation of the superconducting state thermal transport. Physical Review Letters, 1992, 69, 1431-1434.	7.8	273
176	Magnetic interactions in the metallic phase of the copper oxides. Physica C: Superconductivity and Its Applications, 1991, 172, 481-485.	1.2	5
177	From fermiology to spin dynamics: Current status of Fermi liquid based approaches to the cuprates. Journal of Physics and Chemistry of Solids, 1991, 52, 1337-1348.	4.0	8
178	Pairing of spinless fermions in two dimensions. Physical Review B, 1991, 44, 5263-5268.	3.2	4
179	Phase diagram of the t-J model: A semiclassical calculation. Physical Review B, 1991, 43, 3540-3548.	3.2	4
180	Metallic copper oxide as an almost localized fermi liquid. Physica B: Condensed Matter, 1990, 163, 275-277.	2.7	0

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181	Phenomenological description of the copper oxides as almost localized Fermi liquids. Physical Review B, 1990, 42, 1033-1036.	3.2	28
182	NMR relaxation and neutron scattering in a Fermi-liquid picture of the metallic copper oxides. Physical Review Letters, 1990, 65, 2466-2469.	7.8	70
183	Spin polarons in high-Tc copper oxides: Differences between electron- and hole-doped systems. Physical Review B, 1990, 42, 950-953.	3.2	9
184	Competing order parameters for increased T_{c1} in "polytype" multilayer Cu-O systems. Physical Review B, 1989, 39, 2238-2244.	3.2	38
185	Microscopic model for high-Tc oxide superconductors. Physical Review B, 1989, 40, 7372-7375.	3.2	5
186	Competition between magnetic and Fermi liquid phases in the copper oxides. Physica C: Superconductivity and Its Applications, 1989, 162-164, 1465-1466.	1.2	6
187	Magnetic interactions in the metallic phase of the copper oxides. Physica C: Superconductivity and Its Applications, 1989, 162-164, 1467-1468.	1.2	15
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