

Jianping Lu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

178
papers

10,039
citations

47
h-index

99
g-index

197
ext. papers

10,650
ext. citations

3.8
avg, IF

6.23
L-index

#	Paper	IF	Citations
178	Feasibility of dual-energy CBCT by spectral filtration of a dual-focus CNT x-ray source.. <i>PLoS ONE</i> , 2022 , 17, e0262713	3.7	0
177	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	2.6	6
176	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	2.6	1
175	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	2.6	1
174	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	1.1	1
173	Applying synthetic radiography to intraoral tomosynthesis: a step towards achieving 3D imaging in the dental clinic. <i>Dentomaxillofacial Radiology</i> , 2021 , 50, 20200159	3.9	
172	Point-of-Care Tomosynthesis Imaging of the Wrist. <i>Military Medicine</i> , 2021 , 186, 745-750	1.3	0
171	Evaluation of carbon nanotube x-ray source array for stationary head computed tomography. <i>Medical Physics</i> , 2021 , 48, 1089-1099	4.4	6
170	The role of stationary intraoral tomosynthesis in reducing proximal overlap in bitewing radiography. <i>Dentomaxillofacial Radiology</i> , 2020 , 49, 20190504	3.9	5
169	Initial Clinical Experience with Stationary Digital Breast Tomosynthesis. <i>Academic Radiology</i> , 2019 , 26, 1363-1372	4.3	
168	Visualizing microcalcifications in lumpectomy specimens: an exploration into the clinical potential of carbon nanotube-enabled digital breast tomosynthesis. <i>Biomedical Physics and Engineering Express</i> , 2019 , 5,	1.5	1
167	Generating synthetic mammograms for stationary 3D mammography 2019 ,		2
166	Initial clinical evaluation of stationary digital chest tomosynthesis in adult patients with cystic fibrosis. <i>European Radiology</i> , 2019 , 29, 1665-1673	8	7
165	An update on carbon nanotube-enabled X-ray sources for biomedical imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018 , 10, e1475	9.2	21
164	Phantom-based study exploring the effects of different scatter correction approaches on the reconstructed images generated by contrast-enhanced stationary digital breast tomosynthesis. <i>Journal of Medical Imaging</i> , 2018 , 5, 013502	2.6	1
163	Stationary digital intraoral tomosynthesis: demonstrating the clinical potential of the first-generation system 2018 ,		3
162	Characterization and preliminary imaging evaluation of a clinical prototype stationary intraoral tomosynthesis system. <i>Medical Physics</i> , 2018 , 45, 5172-5185	4.4	10

161	Contrast enhanced imaging with a stationary digital breast tomosynthesis system 2017 ,		2
160	Stationary intraoral tomosynthesis for dental imaging 2017 ,		1
159	Second generation stationary digital breast tomosynthesis system with faster scan time and wider angular span. <i>Medical Physics</i> , 2017 , 44, 4482-4495	4.4	12
158	Estimating scatter from sparsely measured primary signal. <i>Journal of Medical Imaging</i> , 2017 , 4, 013508	2.6	2
157	Neurocognitive sparing of desktop microbeam irradiation. <i>Radiation Oncology</i> , 2017 , 12, 127	4.2	7
156	Interior tomographic imaging of mouse heart in a carbon nanotube micro-CT. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 549-63	2.1	5
155	Initial clinical evaluation of stationary digital chest tomosynthesis 2016 ,		2
154	Carbon Nanotube Field-Emission X-Ray-Based Micro-computed Tomography for Biomedical Imaging. <i>Springer Series in Biomaterials Science and Engineering</i> , 2016 , 201-225	0.6	1
153	Structural and functional connectivity between the lateral posterior-pulvinar complex and primary visual cortex in the ferret. <i>European Journal of Neuroscience</i> , 2016 , 43, 230-44	3.5	10
152	Evaluation of back projection methods for breast tomosynthesis image reconstruction. <i>Journal of Digital Imaging</i> , 2015 , 28, 338-45	5.3	3
151	Stationary chest tomosynthesis using a carbon nanotube x-ray source array: a feasibility study. <i>Physics in Medicine and Biology</i> , 2015 , 60, 81-100	3.8	25
150	Fiber-optic detector for real time dosimetry of a micro-planar x-ray beam. <i>Medical Physics</i> , 2015 , 42, 1966-72	4.2	15
149	Treating Brain Tumor with Microbeam Radiation Generated by a Compact Carbon-Nanotube-Based Irradiator: Initial Radiation Efficacy Study. <i>Radiation Research</i> , 2015 , 184, 322-33	3.1	14
148	Ray-tracing-based reconstruction algorithms for digital breast tomosynthesis. <i>Journal of Electronic Imaging</i> , 2015 , 24, 023028	0.7	3
147	Implementation of interior micro-CT on a carbon nanotube dynamic micro-CT scanner for lower radiation dose 2015 ,		1
146	Statistical iterative reconstruction to improve image quality for digital breast tomosynthesis. <i>Medical Physics</i> , 2015 , 42, 5377-90	4.4	11
145	Adapted fan-beam volume reconstruction for stationary digital breast tomosynthesis 2015 ,		6
144	Low dose scatter correction for digital chest tomosynthesis 2015 ,		1

143	Prospective gated chest tomosynthesis using CNT X-ray source array 2015 ,		1
142	Initial clinical evaluation of stationary digital breast tomosynthesis 2015 ,		2
141	Stationary intraoral digital tomosynthesis using a carbon nanotube X-ray source array. <i>Dentomaxillofacial Radiology</i> , 2015 , 44, 20150098	3.9	13
140	Delayed contrast enhancement imaging of a murine model for ischemia reperfusion with carbon nanotube micro-CT. <i>PLoS ONE</i> , 2015 , 10, e0115607	3.7	3
139	Plasmon-gating photoluminescence in graphene/GeSi quantum dots hybrid structures. <i>Scientific Reports</i> , 2015 , 5, 17688	4.9	3
138	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, 1283-303	3.8	19
137	Comparison of a stationary digital breast tomosynthesis system to magnified 2D mammography using breast tissue specimens. <i>Academic Radiology</i> , 2014 , 21, 1547-52	4.3	9
136	Ab initio investigation of the structural and electronic properties of amorphous HgTe. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 045503	1.8	
135	The structural and electronic properties of amorphous HgCdTe from first-principles calculations. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 025304	3	1
134	Carbon nanotube electron field emitters for x-ray imaging of human breast cancer. <i>Nanotechnology</i> , 2014 , 25, 245704	3.4	41
133	Increased microcalcification visibility in lumpectomy specimens using a stationary digital breast tomosynthesis system 2014 ,		2
132	. <i>IEEE Access</i> , 2014 , 2, 971-981	3.5	22
131	Evaluation of imaging geometry for stationary chest tomosynthesis 2014 ,		3
130	Pre-computed backprojection based penalized-likelihood (PPL) reconstruction with an edge-preserved regularizer for stationary Digital Breast Tomosynthesis 2014 ,		1
129	Pilot study for compact microbeam radiation therapy using a carbon nanotube field emission micro-CT scanner. <i>Medical Physics</i> , 2014 , 41, 061710	4.4	18
128	Physiologically gated microbeam radiation using a field emission x-ray source array. <i>Medical Physics</i> , 2014 , 41, 081705	4.4	11
127	Breast tomosynthesis imaging configuration optimization based on computer simulation. <i>Journal of Electronic Imaging</i> , 2014 , 23, 013017	0.7	3
126	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, 1411-8	3.5	12

125	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	4.4	
124	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	4.4	
123	Physiologically gated micro-beam radiation therapy using electronically controlled field emission x-ray source array. <i>Proceedings of SPIE</i> , 2013 , 8671,	1.7	2
122	Band gap tuning in HgTe through uniaxial strains. <i>Solid State Communications</i> , 2013 , 166, 1-5	1.6	3
121	Demonstration of a scatter correction technique in digital breast tomosynthesis 2013 ,		3
120	Stationary chest tomosynthesis using a CNT x-ray source array 2013 ,		10
119	An application of pre-computed backprojection based penalized-likelihood (PPL) image reconstruction on stationary digital breast tomosynthesis 2013 ,		1
118	Rectangular computed tomography using a stationary array of CNT emitters: initial experimental results 2013 ,		4
117	Detection of aortic arch calcification in apolipoprotein E-null mice using carbon nanotube-based micro-CT system. <i>Journal of the American Heart Association</i> , 2013 , 2, e003358	6	11
116	Dependency of image quality on system configuration parameters in a stationary digital breast tomosynthesis system. <i>Medical Physics</i> , 2013 , 40, 031917	4.4	34
115	SU-F-500-10: Targeted Delivery of Microbeam Irradiation and Initial Mouse Brain Tumor Model Studies Using a Table Top MRT System. <i>Medical Physics</i> , 2013 , 40, 384-385	4.4	
114	Anode thermal analysis of high power microfocus CNT x-ray tubes for in vivo small animal imaging 2012 ,		6
113	Optimizing configuration parameters of a stationary digital breast tomosynthesis system based on carbon nanotube x-ray sources 2012 ,		2
112	Non-contact respiration monitoring for in-vivo murine micro computed tomography: characterization and imaging applications. <i>Physics in Medicine and Biology</i> , 2012 , 57, 5749-63	3.8	9
111	High resolution stationary digital breast tomosynthesis using distributed carbon nanotube x-ray source array. <i>Medical Physics</i> , 2012 , 39, 2090-9	4.4	93
110	Torsional electromechanical systems based on carbon nanotubes. <i>Reports on Progress in Physics</i> , 2012 , 75, 116501	14.4	12
109	A stationary digital breast tomosynthesis scanner 2012 ,		1
108	X-ray fluorescence molecular imaging with high sensitivity: feasibility study in phantoms 2012 ,		2

107	TU-E-217BCD-11: Evaluating the Performance of a Stationary Digital Breast Tomosynthesis System. <i>Medical Physics</i> , 2012 , 39, 3916	4.4	
106	SU-D-217A-01: A High-Resolution in Vivo Molecular Imaging Technique Based on X-Ray Fluorescence. <i>Medical Physics</i> , 2012 , 39, 3620	4.4	
105	WE-C-217BCD-03: Restricted Data Set Reconstruction Based on Respiration Quality to Improve Prospectively Gated in Vivo Micro-CT of Mice. <i>Medical Physics</i> , 2012 , 39, 3949-3950	4.4	
104	Prospective respiratory gated carbon nanotube micro computed tomography. <i>Academic Radiology</i> , 2011 , 18, 588-93	4.3	15
103	Band Gap Tuning of Hydrogenated Graphene: H Coverage and Configuration Dependence. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 3236-3242	3.8	139
102	Carbon Nanotube based X-ray Sources: Applications in Pre-Clinical and Medical Imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 648 Supplement 1, S281-S283	1.2	13
101	Design and feasibility studies of a stationary digital breast tomosynthesis system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 648, S220-S223	1.2	9
100	Quantum conductance of armchair carbon nanocoils: roles of geometry effects. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011 , 54, 841-845	3.6	7
99	Carbon Nanotube X-Ray for Dynamic Micro-CT Imaging of Small Animal Models 2011 , 139-158		
98	Image reconstruction from limited angle projections collected by multisource interior x-ray imaging systems. <i>Physics in Medicine and Biology</i> , 2011 , 56, 6337-57	3.8	21
97	Stationary digital breast tomosynthesis with distributed field emission X-ray tube. <i>Proceedings of SPIE</i> , 2011 , 7961,	1.7	20
96	Prospective-gated cardiac micro-CT imaging of free-breathing mice using carbon nanotube field emission x-ray. <i>Medical Physics</i> , 2010 , 37, 5306-12	4.4	38
95	Design and characterization of a carbon-nanotube-based micro-focus x-ray tube for small animal imaging 2010 ,		8
94	Multi-beam X-ray source breast tomosynthesis reconstruction with different algorithms. <i>Proceedings of SPIE</i> , 2010 , 7622, 76220H	1.7	6
93	Distributed source x-ray tube technology for tomosynthesis imaging. <i>Proceedings of SPIE</i> , 2010 , 7622, 76225M	1.7	11
92	Superelasticity of Carbon Nanocoils from Atomistic Quantum Simulations. <i>Nanoscale Research Letters</i> , 2010 , 5, 478-483	5	51
91	Investigation of Sparse Data Mouse Imaging Using Micro-CT with a Carbon-Nanotube-Based X-ray Source. <i>Tsinghua Science and Technology</i> , 2010 , 15, 74-78	3.4	7
90	Temporal multiplexing radiography for dynamic x-ray imaging. <i>Review of Scientific Instruments</i> , 2009 , 80, 093902	1.7	7

89	Compressive sampling based interior reconstruction for dynamic carbon nanotube micro-CT. <i>Journal of X-Ray Science and Technology</i> , 2009 , 17, 295-303	2.1	15
88	Design and characterization of a spatially distributed multibeam field emission x-ray source for stationary digital breast tomosynthesis. <i>Medical Physics</i> , 2009 , 36, 4389-99	4.4	61
87	A dynamic micro-CT scanner based on a carbon nanotube field emission x-ray source. <i>Physics in Medicine and Biology</i> , 2009 , 54, 2323-40	3.8	90
86	First-Principles Study of Water Chains Encapsulated in Single-Walled Carbon Nanotube. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5368-5375	3.8	42
85	Breast tomosynthesis reconstruction with a multi-beam x-ray source 2009 ,		4
84	Stationary digital breast tomosynthesis system with a multi-beam field emission x-ray source array 2008 ,		15
83	Hadamard multiplexing radiography based on carbon nanotube field emission multi-pixel x-ray technology 2008 ,		1
82	Respiratory-gated micro-CT using a carbon nanotube based micro-focus field emission x-ray source 2008 ,		3
81	Multiplexing radiography based on carbon nanotube field emission X-ray technology 2007 ,		2
80	2006 ,		1
79	Multiplexing radiography using a carbon nanotube based x-ray source. <i>Applied Physics Letters</i> , 2006 , 89, 064106	3.4	42
78	Nanocables made of a transition metal wire and boron nitride sheath: Density functional calculations. <i>Physical Review B</i> , 2006 , 74,	3.3	22
77	Carbon nanotube based microfocus field emission x-ray source for microcomputed tomography. <i>Applied Physics Letters</i> , 2006 , 89, 103111	3.4	112
76	Development of a carbon nanotube based microfocus x-ray tube with single focusing electrode. <i>Review of Scientific Instruments</i> , 2006 , 77, 054302	1.7	39
75	Effects of sidewall functionalization on conducting properties of single wall carbon nanotubes. <i>Nano Letters</i> , 2006 , 6, 916-9	11.5	185
74	True nanocable assemblies with insulating BN nanotube sheaths and conducting Cu nanowire cores. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 2529-32	3.4	40
73	A multi-beam x-ray imaging system based on carbon nanotube field emitters 2006 , 6142, 10		9
72	Distinct properties of single-wall carbon nanotubes with monovalent sidewall additions. <i>Nanotechnology</i> , 2005 , 16, 635-638	3.4	57

71	Stationary scanning x-ray source based on carbon nanotube field emitters. <i>Applied Physics Letters</i> , 2005 , 86, 184104	3.4	136
70	A nanotube-based field emission x-ray source for microcomputed tomography. <i>Review of Scientific Instruments</i> , 2005 , 76, 094301	1.7	50
69	Engineering the electronic structure of single-walled carbon nanotubes by chemical functionalization. <i>ChemPhysChem</i> , 2005 , 6, 598-601	3.2	67
68	Calculations of electronic structure of Ge ₄₄ Mn ₂ Ba ₈ and Ge ₄₂ Mn ₄ Ba ₈ clathrates. <i>Physical Review B</i> , 2004 , 70,	3.3	5
67	Effect of residual catalyst on the vibrational modes of single-walled carbon nanotubes. <i>Journal of Applied Physics</i> , 2004 , 96, 5158-5162	2.5	5
66	Dynamic radiography using a carbon-nanotube-based field-emission x-ray source. <i>Review of Scientific Instruments</i> , 2004 , 75, 3264-3267	1.7	63
65	Complete Spin Polarization for a Carbon Nanotube with an Adsorbed Atomic Transition-Metal Chain. <i>Nano Letters</i> , 2004 , 4, 561-563	11.5	73
64	Electronic Properties of Carbon Nanotubes with Covalent Sidewall Functionalization. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 4227-4230	3.4	252
63	Electron Field Emission from Carbon Nanotubes: Modeling and Simulations. <i>Molecular Simulation</i> , 2004 , 30, 199-203	2	7
62	Quantum transport properties of ultrathin silver nanowires. <i>Nanotechnology</i> , 2003 , 14, 501-504	3.4	67
61	Noncovalent functionalization of carbon nanotubes by aromatic organic molecules. <i>Applied Physics Letters</i> , 2003 , 82, 3746-3748	3.4	237
60	A nonorthogonal tight-binding total energy model for molecular simulations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003 , 319, 523-529	2.3	16
59	Modeling and simulations of carbon nanotubes and their junctions on surfaces. <i>Applied Surface Science</i> , 2003 , 219, 123-128	6.7	16
58	Magnetism of transition-metal/carbon-nanotube hybrid structures. <i>Physical Review Letters</i> , 2003 , 90, 257203	7.4	195
57	Gas adsorption in single-walled carbon nanotubes studied by NMR. <i>Physical Review B</i> , 2003 , 68,	3.3	71
56	Quantum interference effects in electronic transport through nanotube contacts. <i>Physical Review B</i> , 2003 , 67,	3.3	36
55	Electron field emission properties of closed carbon nanotubes. <i>Physical Review Letters</i> , 2003 , 91, 236801	7.4	104
54	Binding energies and electronic structures of adsorbed titanium chains on carbon nanotubes. <i>Physical Review B</i> , 2002 , 66,	3.3	100

53	Pressure-induced metallization in solid boron. <i>Physical Review B</i> , 2002 , 66,	3-3	43
52	Work functions of pristine and alkali-metal intercalated carbon nanotubes and bundles. <i>Physical Review B</i> , 2002 , 65,	3-3	174
51	Generation of continuous and pulsed diagnostic imaging x-ray radiation using a carbon-nanotube-based field-emission cathode. <i>Applied Physics Letters</i> , 2002 , 81, 355-357	3-4	378
50	Gas molecule adsorption in carbon nanotubes and nanotube bundles. <i>Nanotechnology</i> , 2002 , 13, 195-200,	3-4	979
49	Nonlinear dynamical properties of a somatosensory cortical model. <i>Information Sciences</i> , 2001 , 132, 53-66,	3-7	3
48	Contact resistance between carbon nanotubes. <i>Physical Review B</i> , 2001 , 63,	3-3	206
47	Structural phase transition in carbon nanotube bundles under pressure. <i>Physical Review B</i> , 2000 , 61, 5939-5944,	3-5	188
46	First-principles study of Li-intercalated carbon nanotube ropes. <i>Physical Review Letters</i> , 2000 , 85, 1706-97,	4	271
45	Lattice-Oriented Growth of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 6505-6508	3-4	88
44	Structural and electronic properties of germanium clathrates Ge ₄₆ and K ₈ Ge ₄₆ . <i>Physical Review B</i> , 1999 , 60, 14177-14181	3-3	18
43	Band-gap change of carbon nanotubes: Effect of small uniaxial and torsional strain. <i>Physical Review B</i> , 1999 , 60, 13874-13878	3-3	323
42	Vibrational modes of carbon nanotubes and nanoropes. <i>Physical Review B</i> , 1999 , 60, 6535-6540	3-3	141
41	Atomic Scale Sliding and Rolling of Carbon Nanotubes. <i>Physical Review Letters</i> , 1999 , 83, 5050-5053	7-4	161
40	Structural properties and vibrational modes of Si ₃₄ and Si ₄₆ clathrates. <i>Physical Review B</i> , 1997 , 56, 13898-13908	3-5	18
39	Elastic Properties of Carbon Nanotubes and Nanoropes. <i>Physical Review Letters</i> , 1997 , 79, 1297-1300	7-4	1315
38	Elastic properties of single and multilayered nanotubes. <i>Journal of Physics and Chemistry of Solids</i> , 1997 , 58, 1649-1652	3-9	191
37	GUTZWILLER APPROXIMATION IN DEGENERATE HUBBARD MODELS. <i>International Journal of Modern Physics B</i> , 1996 , 10, 3717-3725	1-1	6
36	Effects of orientational disorder on the electronic structure and transport in A _x C ₇₀ . <i>Physical Review B</i> , 1995 , 51, 16615-16618	3-3	1

35	Novel magnetic properties of carbon nanotubes. <i>Physical Review Letters</i> , 1995 , 74, 1123-1126	7.4	260
34	Density-functional calculations of the structure and stability of C ₂₄₀ . <i>Physical Review B</i> , 1994 , 49, 8526-8538	3.3	50
33	Metal-insulator transitions in degenerate Hubbard models and A _x C ₆₀ . <i>Physical Review B</i> , 1994 , 49, 5687-5690	3.3	104
32	Shape of large single- and multiple-shell fullerenes. <i>Physical Review B</i> , 1994 , 49, 11421-11424	3.3	98
31	Yu, Salamon, and Lu reply. <i>Physical Review Letters</i> , 1993 , 71, 1658	7.4	19
30	Comparison of spin dynamics in YBa ₂ Cu ₃ O _{7-δ} and La _{2-x} Sr _x CuO ₄ : Effects of Fermi-surface geometry. <i>Physical Review B</i> , 1993 , 47, 9055-9076	3.3	211
29	Evidence for dx ₂ -y ₂ pairing from nuclear-magnetic-resonance experiments in the superconducting state of YBa ₂ Cu ₃ O ₇ . <i>Physical Review B</i> , 1993 , 47, 9151-9154	3.3	107
28	Magnetotransport properties of magnetic granular solids: The role of unfilled d bands. <i>Physical Review B</i> , 1993 , 48, 6728-6731	3.3	36
27	Orientalional correlations and order in A ₃ C ₆₀ . <i>Applied Physics A: Materials Science and Processing</i> , 1993 , 56, 215-217	2.6	18
26	Pairing instabilities in the two-dimensional Hubbard model. <i>Physical Review B</i> , 1992 , 46, 11163-11166	3.3	29
25	Ground state and phase transitions in solid C ₆₀ . <i>Physical Review Letters</i> , 1992 , 68, 1551-1554	7.4	261
24	Neutron scattering as a probe for unconventional superconducting states. <i>Physical Review Letters</i> , 1992 , 68, 125-128	7.4	68
23	Magnetic interactions in the metallic phase of the copper oxides: A Fermi-liquid description. <i>Physical Review B</i> , 1992 , 45, 4930-4940	3.3	31
22	Ground-state structural and dynamical properties of solid C ₆₀ from an empirical intermolecular potential. <i>Physical Review B</i> , 1992 , 46, 4301-4303	3.3	68
21	Orientalional disorder and electronic states in C ₆₀ and A ₃ C ₆₀ , where A is an alkali metal. <i>Physical Review Letters</i> , 1992 , 68, 1050-1053	7.4	141
20	Orientalional disorder and normal-state electronic-transport properties of A ₃ C ₆₀ . <i>Physical Review B</i> , 1992 , 46, 4367-4370	3.3	43
19	Thermal conductivity of an untwinned YBa ₂ Cu ₃ O _{7-δ} single crystal and a new interpretation of the superconducting state thermal transport. <i>Physical Review Letters</i> , 1992 , 69, 1431-1434	7.4	245
18	Magnetic interactions in the metallic phase of the copper oxides. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 172, 481-485	1.3	5

17	From fermiology to spin dynamics: Current status of Fermi liquid based approaches to the cuprates. <i>Journal of Physics and Chemistry of Solids</i> , 1991 , 52, 1337-1348	3-9	8
16	Pairing of spinless fermions in two dimensions. <i>Physical Review B</i> , 1991 , 44, 5263-5268	3-3	3
15	Phase diagram of the t-J model: A semiclassical calculation. <i>Physical Review B</i> , 1991 , 43, 3540-3548	3-3	4
14	Metallic copper oxide as an almost localized fermi liquid. <i>Physica B: Condensed Matter</i> , 1990 , 163, 275-277.8		
13	Phenomenological description of the copper oxides as almost localized Fermi liquids. <i>Physical Review B</i> , 1990 , 42, 1033-1036	3-3	27
12	NMR relaxation and neutron scattering in a Fermi-liquid picture of the metallic copper oxides. <i>Physical Review Letters</i> , 1990 , 65, 2466-2469	7-4	66
11	Spin polarons in high-Tc copper oxides: Differences between electron- and hole-doped systems. <i>Physical Review B</i> , 1990 , 42, 950-953	3-3	8
10	Competing order parameters for increased Tc in "polytype" multilayer Cu-O systems. <i>Physical Review B</i> , 1989 , 39, 2238-2244	3-3	35
9	Microscopic model for high-Tc oxide superconductors. <i>Physical Review B</i> , 1989 , 40, 7372-7375	3-3	3
8	Competition between magnetic and Fermi liquid phases in the copper oxides. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 1465-1466	1-3	5
7	Magnetic interactions in the metallic phase of the copper oxides. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 1467-1468	1-3	15
6	Acoustic-wave propagation in quasiperiodic, incommensurate, and random systems. <i>Physical Review B</i> , 1988 , 38, 8067-8074	3-3	16
5	Electronic structure of a quasiperiodic system. <i>Physical Review B</i> , 1987 , 36, 4471-4474	3-3	34
4	Percolation and scaling on a quasilattice. <i>Journal of Statistical Physics</i> , 1987 , 46, 1057-1066	1-5	15
3	Mistakes in quasilattices. <i>Physical Review Letters</i> , 1986 , 57, 2706-2709	7-4	14
2	Properties of one-dimensional quasilattices. <i>Physical Review B</i> , 1986 , 33, 4809-4817	3-3	188
1	Tomosynthesis reconstruction from multi-beam X-ray sources		5