

Jianping Lu

List of Publications by Year in descending order

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194
papers

11,256
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38742

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197
docs citations

197
times ranked

8941
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic Properties of Carbon Nanotubes and Nanoropes. <i>Physical Review Letters</i> , 1997, 79, 1297-1300.	7.8	1,458
2	Gas molecule adsorption in carbon nanotubes and nanotube bundles. <i>Nanotechnology</i> , 2002, 13, 195-200.	2.6	1,076
3	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.	3.3	446
4	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
5	First-Principles Study of Li-Intercalated Carbon Nanotube Ropes. <i>Physical Review Letters</i> , 2000, 85, 1706-1709.	7.8	298
6	Electronic Properties of Carbon Nanotubes with Covalent Sidewall Functionalization. <i>Journal of Physical Chemistry B</i> , 2004, 108, 4227-4230.	2.6	283
7	Novel Magnetic Properties of Carbon Nanotubes. <i>Physical Review Letters</i> , 1995, 74, 1123-1126.	7.8	279
8	Thermal conductivity of an untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystal and a new interpretation of the superconducting state thermal transport. <i>Physical Review Letters</i> , 1992, 69, 1431-1434.	7.8	273
9	Ground state and phase transitions in solid C_{60} . <i>Physical Review Letters</i> , 1992, 68, 1551-1554.	7.8	269
10	Noncovalent functionalization of carbon nanotubes by aromatic organic molecules. <i>Applied Physics Letters</i> , 2003, 82, 3746-3748.	3.3	260
11	Contact resistance between carbon nanotubes. <i>Physical Review B</i> , 2001, 63, .	3.2	235
12	Elastic properties of single and multilayered nanotubes. <i>Journal of Physics and Chemistry of Solids</i> , 1997, 58, 1649-1652.	4.0	225
13	Comparison of spin dynamics in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and $\text{La}_2\text{xSr}_x\text{CuO}_4$: Effects of Fermi-surface geometry. <i>Physical Review B</i> , 1993, 47, 9055-9076.	3.2	216
14	Effects of Sidewall Functionalization on Conducting Properties of Single Wall Carbon Nanotubes. <i>Nano Letters</i> , 2006, 6, 916-919.	9.1	213
15	Structural phase transition in carbon nanotube bundles under pressure. <i>Physical Review B</i> , 2000, 61, 5939-5944.	3.2	200
16	Magnetism of Transition-Metal/Carbon-Nanotube Hybrid Structures. <i>Physical Review Letters</i> , 2003, 90, 257203.	7.8	198
17	Properties of one-dimensional quasilattices. <i>Physical Review B</i> , 1986, 33, 4809-4817.	3.2	194
18	Work functions of pristine and alkali-metal intercalated carbon nanotubes and bundles. <i>Physical Review B</i> , 2002, 65, .	3.2	183

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19	Atomic Scale Sliding and Rolling of Carbon Nanotubes. <i>Physical Review Letters</i> , 1999, 83, 5050-5053.	7.8	176
20	Stationary scanning x-ray source based on carbon nanotube field emitters. <i>Applied Physics Letters</i> , 2005, 86, 184104.	3.3	171
21	Band Gap Tuning of Hydrogenated Graphene: H Coverage and Configuration Dependence. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3236-3242.	3.1	167
22	Vibrational modes of carbon nanotubes and nanoropes. <i>Physical Review B</i> , 1999, 60, 6535-6540.	3.2	156
23	Orientalional Disorder and Electronic States in C_{60} and A_3C_{60} , where A is an Alkali Metal. <i>Physical Review Letters</i> , 1992, 68, 1050-1053.	7.8	148
24	Carbon nanotube based microfocus field emission x-ray source for microcomputed tomography. <i>Applied Physics Letters</i> , 2006, 89, 103111.	3.3	147
25	High resolution stationary digital breast tomosynthesis using distributed carbon nanotube x-ray source array. <i>Medical Physics</i> , 2012, 39, 2090-2099.	3.0	118
26	A dynamic micro-CT scanner based on a carbon nanotube field emission x-ray source. <i>Physics in Medicine and Biology</i> , 2009, 54, 2323-2340.	3.0	117
27	Metal-insulator transitions in degenerate Hubbard models and A_xC_{60} . <i>Physical Review B</i> , 1994, 49, 5687-5690.	3.2	116
28	Electron Field Emission Properties of Closed Carbon Nanotubes. <i>Physical Review Letters</i> , 2003, 91, 236801.	7.8	115
29	Evidence for $d_{x^2-y^2}$ pairing from nuclear-magnetic-resonance experiments in the superconducting state of $YBa_2Cu_3O_7$. <i>Physical Review B</i> , 1993, 47, 9151-9154.	3.2	110
30	Shape of large single- and multiple-shell fullerenes. <i>Physical Review B</i> , 1994, 49, 11421-11424.	3.2	107
31	Binding energies and electronic structures of adsorbed titanium chains on carbon nanotubes. <i>Physical Review B</i> , 2002, 66, .	3.2	103
32	Lattice-Oriented Growth of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6505-6508.	2.6	98
33	Design and characterization of a spatially distributed multibeam field emission x-ray source for stationary digital breast tomosynthesis. <i>Medical Physics</i> , 2009, 36, 4389-4399.	3.0	81
34	Dynamic radiography using a carbon-nanotube-based field-emission x-ray source. <i>Review of Scientific Instruments</i> , 2004, 75, 3264-3267.	1.3	80
35	Gas adsorption in single-walled carbon nanotubes studied by NMR. <i>Physical Review B</i> , 2003, 68, .	3.2	76
36	Quantum transport properties of ultrathin silver nanowires. <i>Nanotechnology</i> , 2003, 14, 501-504.	2.6	75

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37	Complete Spin Polarization for a Carbon Nanotube with an Adsorbed Atomic Transition-Metal Chain. Nano Letters, 2004, 4, 561-563.	9.1	75
38	Neutron scattering as a probe for unconventional superconducting states. Physical Review Letters, 1992, 68, 125-128.	7.8	72
39	Engineering the Electronic Structure of Single-Walled Carbon Nanotubes by Chemical Functionalization. ChemPhysChem, 2005, 6, 598-601.	2.1	71
40	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
41	Ground-state structural and dynamical properties of solid C ₆₀ from an empirical intermolecular potential. Physical Review B, 1992, 46, 4301-4303.	3.2	70
42	Superelasticity of Carbon Nanocoils from Atomistic Quantum Simulations. Nanoscale Research Letters, 2010, 5, 478-483.	5.7	62
43	Distinct properties of single-wall carbon nanotubes with monovalent sidewall additions. Nanotechnology, 2005, 16, 635-638.	2.6	61
44	Structural properties and vibrational modes of Si ₃₄ and Si ₄₆ clathrates. Physical Review B, 1997, 56, 13898-13901.	3.2	60
45	A nanotube-based field emission x-ray source for microcomputed tomography. Review of Scientific Instruments, 2005, 76, 094301.	1.3	60
46	Density-functional calculations of the structure and stability of C ₂₄₀ . Physical Review B, 1994, 49, 8526-8528.	3.2	56
47	Multiplexing radiography using a carbon nanotube based x-ray source. Applied Physics Letters, 2006, 89, 064106.	3.3	53
48	Carbon nanotube electron field emitters for x-ray imaging of human breast cancer. Nanotechnology, 2014, 25, 245704.	2.6	52
49	Pressure-induced metallization in solid boron. Physical Review B, 2002, 66, .	3.2	50
50	Development of a carbon nanotube based microfocus x-ray tube with single focusing electrode. Review of Scientific Instruments, 2006, 77, 054302.	1.3	48
51	Orientalional disorder and normal-state electronic-transport properties of A ₃ C ₆₀ . Physical Review B, 1992, 46, 4367-4370.	3.2	46
52	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
53	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
54	First-Principles Study of Water Chains Encapsulated in Single-Walled Carbon Nanotube. Journal of Physical Chemistry C, 2009, 113, 5368-5375.	3.1	45

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55	Dependency of image quality on system configuration parameters in a stationary digital breast tomosynthesis system. <i>Medical Physics</i> , 2013, 40, 031917.	3.0	42
56	Competing order parameters for increased T _c in "polytype" multilayer Cu-O systems. <i>Physical Review B</i> , 1989, 39, 2238-2244.	3.2	38
57	Electronic structure of a quasiperiodic system. <i>Physical Review B</i> , 1987, 36, 4471-4474.	3.2	37
58	Quantum interference effects in electronic transport through nanotube contacts. <i>Physical Review B</i> , 2003, 67, .	3.2	37
59	Magnetotransport properties of magnetic granular solids: The role of unfilled d bands. <i>Physical Review B</i> , 1993, 48, 6728-6731.	3.2	36
60	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
61	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.	3.0	34
62	Pairing instabilities in the two-dimensional Hubbard model. <i>Physical Review B</i> , 1992, 46, 11163-11166.	3.2	32
63	Magnetic interactions in the metallic phase of the copper oxides: A Fermi-liquid description. <i>Physical Review B</i> , 1992, 45, 4930-4940.	3.2	32
64	Rectangular Fixed-Gantry CT Prototype: Combining CNT X-Ray Sources and Accelerated Compressed Sensing-Based Reconstruction. <i>IEEE Access</i> , 2014, 2, 971-981.	4.2	32
65	Phenomenological description of the copper oxides as almost localized Fermi liquids. <i>Physical Review B</i> , 1990, 42, 1033-1036.	3.2	28
66	Stationary digital breast tomosynthesis with distributed field emission x-ray tube. <i>Proceedings of SPIE</i> , 2011, 7961, .	0.8	25
67	Nanocables made of a transition metal wire and boron nitride sheath: Density functional calculations. <i>Physical Review B</i> , 2006, 74, .	3.2	24
68	Image reconstruction from limited angle projections collected by multisource interior x-ray imaging systems. <i>Physics in Medicine and Biology</i> , 2011, 56, 6337-6357.	3.0	24
69	Stationary digital breast tomosynthesis system with a multi-beam field emission x-ray source array. <i>Proceedings of SPIE</i> , 2008, , .	0.8	23
70	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
71	Yu, Salamon, and Lu reply. <i>Physical Review Letters</i> , 1993, 71, 1658-1658.	7.8	20
72	Compressive sampling based interior reconstruction for dynamic carbon nanotube micro-CT. <i>Journal of X-Ray Science and Technology</i> , 2009, 17, 295-303.	1.0	20

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73	Torsional electromechanical systems based on carbon nanotubes. Reports on Progress in Physics, 2012, 75, 116501.	20.1	20
74	Structural and electronic properties of germanium clathrates Ge ₄₆ and K ₈ Ge ₄₆ . Physical Review B, 1999, 60, 14177-14181.	3.2	19
75	Modeling and simulations of carbon nanotubes and their junctions on surfaces. Applied Surface Science, 2003, 219, 123-128.	6.1	19
76	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
77	Oriental correlations and order in A ₃ C ₆₀ . Applied Physics A: Materials Science and Processing, 1993, 56, 215-217.	2.3	18
78	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
79	Pilot study for compact microbeam radiation therapy using a carbon nanotube field emission micro-CT scanner. Medical Physics, 2014, 41, 061710.	3.0	18
80	Fiber-optic detector for real time dosimetry of a micro-planar x-ray beam. Medical Physics, 2015, 42, 1966-1972.	3.0	18
81	Acoustic-wave propagation in quasiperiodic, incommensurate, and random systems. Physical Review B, 1988, 38, 8067-8074.	3.2	17
82	A multi-beam x-ray imaging system based on carbon nanotube field emitters. , 2006, 6142, 10.		16
83	Stationary intraoral digital tomosynthesis using a carbon nanotube X-ray source array. Dentomaxillofacial Radiology, 2015, 44, 20150098.	2.7	16
84	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
85	Percolation and scaling on a quasilattice. Journal of Statistical Physics, 1987, 46, 1057-1066.	1.2	15
86	Magnetic interactions in the metallic phase of the copper oxides. Physica C: Superconductivity and Its Applications, 1989, 162-164, 1467-1468.	1.2	15
87	Prospective Respiratory Gated Carbon Nanotube Micro Computed Tomography. Academic Radiology, 2011, 18, 588-593.	2.5	15
88	Statistical iterative reconstruction to improve image quality for digital breast tomosynthesis. Medical Physics, 2015, 42, 5377-5390.	3.0	15
89	Structural and functional connectivity between the lateral posterior pulvinar complex and primary visual cortex in the ferret. European Journal of Neuroscience, 2016, 43, 230-244.	2.6	15
90	Second generation stationary digital breast tomosynthesis system with faster scan time and wider angular span. Medical Physics, 2017, 44, 4482-4495.	3.0	15

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91	Evaluation of carbon nanotube x-ray source array for stationary head computed tomography. <i>Medical Physics</i> , 2021, 48, 1089-1099.	3.0	15
92	Mistakes in Quasilattices. <i>Physical Review Letters</i> , 1986, 57, 2706-2709.	7.8	14
93	Distributed source x-ray tube technology for tomosynthesis imaging. <i>Proceedings of SPIE</i> , 2010, 7622, 76225M.	0.8	14
94	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
95	Characterization and preliminary imaging evaluation of a clinical prototype stationary intraoral tomosynthesis system. <i>Medical Physics</i> , 2018, 45, 5172-5185.	3.0	13
96	Non-contact respiration monitoring for <i>in-vivo</i> murine micro computed tomography: characterization and imaging applications. <i>Physics in Medicine and Biology</i> , 2012, 57, 5749-5763.	3.0	12
97	Detection of Aortic Arch Calcification in Apolipoprotein E ϵ Null Mice Using Carbon Nanotube-Based Micro-CT System. <i>Journal of the American Heart Association</i> , 2013, 2, e003358.	3.7	12
98	Physiologically gated microbeam radiation using a field emission x-ray source array. <i>Medical Physics</i> , 2014, 41, 081705.	3.0	12
99	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
100	Tomosynthesis Reconstruction from Multi-Beam X-Ray Sources. , 0, , .		11
101	The role of stationary intraoral tomosynthesis in reducing proximal overlap in bitewing radiography. <i>Dentomaxillofacial Radiology</i> , 2020, 49, 20190504.	2.7	11
102	Multi-beam x-ray source breast tomosynthesis reconstruction with different algorithms. , 2010, 7622, 76220H.		10
103	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.	1.6	10
104	Stationary chest tomosynthesis using a CNT x-ray source array. <i>Proceedings of SPIE</i> , 2013, , .	0.8	10
105	Spin polarons in high-Tc copper oxides: Differences between electron- and hole-doped systems. <i>Physical Review B</i> , 1990, 42, 950-953.	3.2	9
106	Breast tomosynthesis reconstruction with a multi-beam x-ray source. , 2009, , .		9
107	Design and characterization of a carbon-nanotube-based micro-focus x-ray tube for small animal imaging. , 2010, , .		9
108	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.	4.0	8

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109	Electron Field Emission from Carbon Nanotubes: Modeling and Simulations. <i>Molecular Simulation</i> , 2004, 30, 199-203.	2.0	8
110	Temporal multiplexing radiography for dynamic x-ray imaging. <i>Review of Scientific Instruments</i> , 2009, 80, 093902.	1.3	8
111	Anode thermal analysis of high power microfocus CNT x-ray tubes for in vivo small animal imaging. <i>Proceedings of SPIE</i> , 2012, , .	0.8	8
112	Neurocognitive sparing of desktop microbeam irradiation. <i>Radiation Oncology</i> , 2017, 12, 127.	2.7	8
113	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
114	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.	6.1	7
115	Quantum conductance of armchair carbon nanocoils: roles of geometry effects. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 841-845.	5.1	7
116	Competition between magnetic and Fermi liquid phases in the copper oxides. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 1465-1466.	1.2	6
117	GUTZWILLER APPROXIMATION IN DEGENERATE HUBBARD MODELS. <i>International Journal of Modern Physics B</i> , 1996, 10, 3717-3725.	2.0	6
118	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	6
119	Evaluation of Back Projection Methods for Breast Tomosynthesis Image Reconstruction. <i>Journal of Digital Imaging</i> , 2015, 28, 338-345.	2.9	6
120	Adapted fan-beam volume reconstruction for stationary digital breast tomosynthesis. , 2015, , .		6
121	Interior tomographic imaging of mouse heart in a carbon nanotube micro-CT. <i>Journal of X-Ray Science and Technology</i> , 2016, 24, 549-563.	1.0	6
122	Microscopic model for high-Tc oxide superconductors. <i>Physical Review B</i> , 1989, 40, 7372-7375.	3.2	5
123	Magnetic interactions in the metallic phase of the copper oxides. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 172, 481-485.	1.2	5
124	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, .	3.2	5
125	Rectangular computed tomography using a stationary array of CNT emitters: initial experimental results. , 2013, , .		5
126	Breast tomosynthesis imaging configuration optimization based on computer simulation. <i>Journal of Electronic Imaging</i> , 2014, 23, 013017.	0.9	5

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127	Simulation on system configuration for stationary head CT using linear carbon nanotube x-ray source arrays. Journal of Medical Imaging, 2021, 8, 052114.	1.5	5
128	Pairing of spinless fermions in two dimensions. Physical Review B, 1991, 44, 5263-5268.	3.2	4
129	Phase diagram of the J-model: A semiclassical calculation. Physical Review B, 1991, 43, 3540-3548.	3.2	4
130	Estimating scatter from sparsely measured primary signal. Journal of Medical Imaging, 2017, 4, 013508.	1.5	4
131	Stationary digital intraoral tomosynthesis: demonstrating the clinical potential of the first-generation system. , 2018, , .		4
132	Nonlinear dynamical properties of a somatosensory cortical model. Information Sciences, 2001, 132, 53-66.	6.9	3
133	Multiplexing radiography based on carbon nanotube field emission X-ray technology. , 2007, , .		3
134	Respiratory-gated micro-CT using a carbon nanotube based micro-focus field emission x-ray source. , 2008, , .		3
135	Optimizing configuration parameters of a stationary digital breast tomosynthesis system based on carbon nanotube x-ray sources. , 2012, , .		3
136	Band gap tuning in HgTe through uniaxial strains. Solid State Communications, 2013, 166, 1-5.	1.9	3
137	Demonstration of a scatter correction technique in digital breast tomosynthesis. Proceedings of SPIE, 2013, , .	0.8	3
138	Evaluation of imaging geometry for stationary chest tomosynthesis. Proceedings of SPIE, 2014, , .	0.8	3
139	Ray-tracing-based reconstruction algorithms for digital breast tomosynthesis. Journal of Electronic Imaging, 2015, 24, 023028.	0.9	3
140	Plasmon-gating photoluminescence in graphene/GeSi quantum dots hybrid structures. Scientific Reports, 2016, 5, 17688.	3.3	3
141	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
142	Delayed Contrast Enhancement Imaging of a Murine Model for Ischemia Reperfusion with Carbon Nanotube Micro-CT. PLoS ONE, 2015, 10, e0115607.	2.5	3
143	Feasibility of dual-energy CBCT by spectral filtration of a dual-focus CNT x-ray source. PLoS ONE, 2022, 17, e0262713.	2.5	3
144	Hadamard multiplexing radiography based on carbon nanotube field emission multi-pixel x-ray technology. Proceedings of SPIE, 2008, , .	0.8	2

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145	X-ray fluorescence molecular imaging with high sensitivity: feasibility study in phantoms. Proceedings of SPIE, 2012, , .	0.8	2
146	Physiologically gated micro-beam radiation therapy using electronically controlled field emission x-ray source array. , 2013, 8671, .		2
147	An application of pre-computed backprojection based penalized-likelihood (PPL) image reconstruction on stationary digital breast tomosynthesis. , 2013, , .		2
148	The structural and electronic properties of amorphous HgCdTe from first-principles calculations. Journal Physics D: Applied Physics, 2014, 47, 025304.	2.8	2
149	Increased microcalcification visibility in lumpectomy specimens using a stationary digital breast tomosynthesis system. , 2014, , .		2
150	Initial clinical evaluation of stationary digital breast tomosynthesis. Proceedings of SPIE, 2015, , .	0.8	2
151	Implementation of interior micro-CT on a carbon nanotube dynamic micro-CT scanner for lower radiation dose. , 2015, , .		2
152	Initial clinical evaluation of stationary digital chest tomosynthesis. , 2016, , .		2
153	Contrast enhanced imaging with a stationary digital breast tomosynthesis system. Proceedings of SPIE, 2017, , .	0.8	2
154	Stationary intraoral tomosynthesis for dental imaging. Proceedings of SPIE, 2017, , .	0.8	2
155	Applying synthetic radiography to intraoral tomosynthesis: a step towards achieving 3D imaging in the dental clinic. Dentomaxillofacial Radiology, 2021, 50, 20200159.	2.7	2
156	Generating synthetic mammograms for stationary 3D mammography. , 2019, , .		2
157	Effects of orientational disorder on the electronic structure and transport inAxC70. Physical Review B, 1995, 51, 16615-16618.	3.2	1
158	Three-Dimensional Tomosynthesis Reconstruction from 1D and 2D X-ray Source Arrays. , 2006, , .		1
159	Evaluation of frequency multiplexing radiography based on multi-pixel x-ray technology. , 2007, , .		1
160	A stationary digital breast tomosynthesis scanner. Proceedings of SPIE, 2012, , .	0.8	1
161	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. Proceedings of SPIE, 2013, , .	0.8	1
162	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

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163	Low dose scatter correction for digital chest tomosynthesis. , 2015, , .		1
164	Prospective gated chest tomosynthesis using CNT X-ray source array. Proceedings of SPIE, 2015, , .	0.8	1
165	A new generation of stationary digital breast tomosynthesis system with wider angular span and faster scanning time. Proceedings of SPIE, 2016, , .	0.8	1
166	Optical geometry calibration method for free-form digital tomosynthesis. Proceedings of SPIE, 2016, , .	0.8	1
167	Visualizing microcalcifications in lumpectomy specimens: an exploration into the clinical potential of carbon nanotube-enabled <i>stationary</i> digital breast tomosynthesis. Biomedical Physics and Engineering Express, 2019, 5, 045040.	1.2	1
168	Point-of-Care Tomosynthesis Imaging of the Wrist. Military Medicine, 2021, 186, 745-750.	0.8	1
169	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
170	Initial clinical evaluation of gated stationary digital chest tomosynthesis. , 2018, , .		1
171	Comparative evaluation of tomosynthesis, computed tomography, and magnetic resonance imaging findings for metacarpophalangeal joints from equine cadavers. American Journal of Veterinary Research, 2021, 82, 872-879.	0.6	1
172	STUDIES ON QUASILATTICES : MISTAKES AND LONG RANGE CORRELATION IN ONE DIMENSION. Journal De Physique Colloque, 1986, 47, C3-251-C3-258.	0.2	1
173	Simulation on system configuration for stationary head CT using linear carbon nanotube x-ray source arrays. Journal of Medical Imaging, 2021, 8, 052114.	1.5	1
174	Metallic copper oxide as an almost localized fermi liquid. Physica B: Condensed Matter, 1990, 163, 275-277.	2.7	0
175	Imaging quality assessment of multiplexing x-ray radiography based on multi-beam x-ray source technology. , 2010, , .		0
176	Desktop micro-CT with a nanotube field emission x-ray source for high-resolution cardiac imaging. , 2010, , .		0
177	A new x-ray scatter reduction method based on frequency division multiplexing x-ray imaging technique. , 2012, , .		0
178	Development of a line electron focusing lens for carbon nanotube field emission based microbeam radiation device. Proceedings of SPIE, 2013, , .	0.8	0
179	Noise power spectrum and modulation transfer function analysis of breast tomosynthesis imaging. Proceedings of SPIE, 2013, , .	0.8	0
180	Feasibility of stationary digital breast tomosynthesis as an effective screening tool for patients with augmentation mammoplasty. Proceedings of SPIE, 2013, , .	0.8	0

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182	Ab initio investigation of the structural and electronic properties of amorphous HgTe. Journal of Physics Condensed Matter, 2014, 26, 045503.	1.8	0
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