

# Jimin Liang

## List of Publications by Year in descending order

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224  
papers

4,481  
citations

109321

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226  
docs citations

226  
times ranked

4730  
citing authors

#	ARTICLE	IF	CITATIONS
1	NPENAS: Neural Predictor Guided Evolution for Neural Architecture Search. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8441-8455.	11.3	24
2	Macaque neuron instance segmentation only with point annotations based on multiscale fully convolutional regression neural network. Neural Computing and Applications, 2022, 34, 2925-2938.	5.6	1
3	Low-Dimensional Manifold-Constrained Disentanglement Network for Metal Artifact Reduction. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 656-666.	3.7	6
4	Automated segmentation of the gastrocnemius and soleus in shank ultrasound images through deep residual neural network. Biomedical Signal Processing and Control, 2022, 73, 103447.	5.7	1
5	Two-stage deep learning network-based few-view image reconstruction for parallel-beam projection tomography. Quantitative Imaging in Medicine and Surgery, 2022, 12, 2535-2551.	2.0	2
6	Poleward-Motion Aware Network for Poleward Moving Auroral Forms Recognition. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
7	Discriminative Context-Aware Network for Target Extraction in Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 700-715.	4.9	2
8	Coronary Artery Lumen Segmentation in CCTA Using 3D CNN with Partial Annotations. , 2021, , .		0
9	How Native Background Affects Human Performance in Real-World Visual Object Detection: An Event-Related Potential Study. Frontiers in Neuroscience, 2021, 15, 665084.	2.8	1
10	Unsupervised automatic classification of all-sky auroral images using deep clustering technology. Earth Science Informatics, 2021, 14, 1327-1337.	3.2	4
11	Special Patterns of Dynamic Brain Networks Discriminate Between Face and Non-face Processing: A Single-Trial EEG Study. Frontiers in Neuroscience, 2021, 15, 652920.	2.8	0
12	Visual experience modulates whole-brain connectivity dynamics: A resting-state fMRI study using the model of radiologists. Human Brain Mapping, 2021, 42, 4538-4554.	3.6	4
13	Three-dimensional quantitative assessment of myocardial infarction via multimodality fusion imaging: methodology, validation, and preliminary clinical application. Quantitative Imaging in Medicine and Surgery, 2021, 11, 3175-3189.	2.0	3
14	Self-Supervised Representation Learning for Evolutionary Neural Architecture Search. IEEE Computational Intelligence Magazine, 2021, 16, 33-49.	3.2	9
15	Classification of unlabeled cells using lensless digital holographic images and deep neural networks. Quantitative Imaging in Medicine and Surgery, 2021, 11, 4137-4148.	2.0	4
16	Accelerated Stimulated Raman Projection Tomography by Sparse Reconstruction From Sparse-View Data. IEEE Transactions on Biomedical Engineering, 2020, 67, 1293-1302.	4.2	6
17	System Response Matrix Calculation Based on Distance-Driven Model and Solid Angle Model for Dual-Head PET System. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 81-90.	3.7	3
18	Removal of random-valued impulse noise from Cerenkov luminescence images. Medical and Biological Engineering and Computing, 2020, 58, 131-141.	2.8	2

#	ARTICLE	IF	CITATIONS
19	Effective reconstruction of bioluminescence tomography based on GPU-accelerated inverse Monte Carlo method. AIP Advances, 2020, 10, 105329.	1.3	2
20	Wide-field Raman spectroscopic imaging with frequency modulation based spatially encoded light illumination. AIP Advances, 2020, 10, 095012.	1.3	0
21	Automated Detection Of Highly Aggregated Neurons In Microscopic Images Of Macaque Brain. , 2020, , .		2
22	The invasion depth measurement of bladder cancer using T2-weighted magnetic resonance imaging. BioMedical Engineering OnLine, 2020, 19, 92.	2.7	7
23	A novel natural product, britanin, inhibits tumor growth of pancreatic cancer by suppressing nuclear factor- $\kappa$ B activation. Cancer Chemotherapy and Pharmacology, 2020, 85, 699-709.	2.3	9
24	Kinetic modeling and analysis of dynamic bioluminescence imaging of substrates administered by intraperitoneal injection. Quantitative Imaging in Medicine and Surgery, 2020, 10, 389-396.	2.0	0
25	Medical Image Segmentation based on U-Net: A Review. Journal of Imaging Science and Technology, 2020, 64, 020508-1-020508-12.	0.5	197
26	Short-range and long-range neuronal oscillatory coupling in multiple frequency bands during face perception. International Journal of Psychophysiology, 2020, 152, 26-35.	1.0	4
27	GATCluster: Self-supervised Gaussian-Attention Network for Image Clustering. Lecture Notes in Computer Science, 2020, , 735-751.	1.3	30
28	Computational imaging of label-free cells using lens-less digital holography. , 2020, , .		1
29	Recent Advances in Spontaneous Raman Spectroscopic Imaging: Instrumentation and Applications. Current Medicinal Chemistry, 2020, 27, 6188-6207.	2.4	7
30	Intravenous Administration-Oriented Pharmacokinetic Model for Dynamic Bioluminescence Imaging. IEEE Transactions on Biomedical Engineering, 2019, 66, 843-847.	4.2	1
31	An automatic multi-class coronary atherosclerosis plaque detection and classification framework. Medical and Biological Engineering and Computing, 2019, 57, 245-257.	2.8	20
32	Feasibility Study of Limited-Angle Reconstruction for <i>in Vivo</i> Optical Projection Tomography Based on Novel Sample Fixation. IEEE Access, 2019, 7, 87681-87691.	4.2	2
33	Comparative studies of total-variation-regularized sparse reconstruction algorithms in projection tomography. AIP Advances, 2019, 9, .	1.3	4
34	Instance Segmentation of Auroral Images for Automatic Computation of Arc Width. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1368-1372.	3.1	5
35	Health effects of kiwi wine on rats: an untargeted metabolic fingerprint study based on GC-MS/TOF. RSC Advances, 2019, 9, 13797-13807.	3.6	12
36	Comparison of $\langle$ GPU $\rangle$ reconstruction based on different symmetries for dual-head $\langle$ PET $\rangle$ . Medical Physics, 2019, 46, 2696-2708.	3.0	7

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37	Accurate Segmentation of Heart Volume in CTA With Landmark-Based Registration and Fully Convolutional Network. IEEE Access, 2019, 7, 57881-57893.	4.2	5
38	Extracting Auroral Key Local Structures From All-sky Auroral Images by Artificial Intelligence Technique. Journal of Geophysical Research: Space Physics, 2019, 124, 3512-3521.	2.4	13
39	A photo-triggered conjugation approach for attaching RGD ligands to biodegradable mesoporous silica nanoparticles for the tumor fluorescent imaging. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 19, 136-144.	3.3	14
40	Specific Neuronal Oscillatory Coupling over Frontal and Occipito-temporal Regions during Face Perception. , 2019, 2019, 325-328.		2
41	Simulation of the stimulated Raman scattering signal generation in scattering media excited by Bessel beams. , 2019, , .		1
42	Rapid construction of system response matrix based on geometric symmetries for the quad-head PET system. , 2019, , .		1
43	Poleward Moving Aurora Recognition with Deep Convolutional Networks. Lecture Notes in Computer Science, 2019, , 551-560.	1.3	2
44	Feasibility study of limited-angle reconstruction based in vivo optical projection tomography. , 2019, , .		0
45	Performance improvement of Cerenkov luminescence endoscope by optimizing system structure. , 2019, , .		0
46	Fast stimulated Raman projection tomography with iterative reconstruction from sparse projections. , 2019, , .		0
47	Raman spectroscopic imaging with frequency modulation based spatially encoded light. , 2019, , .		0
48	Raman tomography with frequency-modulated excitation and spatially-coded detection. , 2019, , .		0
49	Identification of angiogenesis and viable myocardium using hybrid cardiac imaging. , 2019, , .		0
50	A monocentric centerline extraction method for ring-like blood vessels. Medical and Biological Engineering and Computing, 2018, 56, 695-707.	2.8	1
51	Domain-specific modelware. , 2018, , .		1
52	Brevinin-2 Drug Familyâ€”New Applied Peptide Candidates Against Methicillin-Resistant Staphylococcus aureus and Their Effects on Lys-7 Expression of Innate Immune Pathway DAF-2/DAF-16 in Caenorhabditis elegans. Applied Sciences (Switzerland), 2018, 8, 2627.	2.5	3
53	Semi-Supervised Cerebrovascular Segmentation by Hierarchical Convolutional Neural Network. IEEE Access, 2018, 6, 67841-67852.	4.2	22
54	Hypoxia-activated prodrugs and redox-responsive nanocarriers. International Journal of Nanomedicine, 2018, Volume 13, 6551-6574.	6.7	56

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55	Filtered maximum likelihood expectation maximization based global reconstruction for bioluminescence tomography. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 2067-2081.	2.8	4
56	Investigation of the influence of sampling schemes on quantitative dynamic fluorescence imaging. <i>Biomedical Optics Express</i> , 2018, 9, 1859.	2.9	3
57	Weakly Supervised Semantic Segmentation for Joint Key Local Structure Localization and Classification of Aurora Image. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 7133-7146.	6.3	20
58	In vivo near infrared fluorescence imaging and dynamic quantification of pancreatic metastatic tumors using folic acid conjugated biodegradable mesoporous silica nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1867-1877.	3.3	35
59	Intrinsically Zirconium-89-Labeled Manganese Oxide Nanoparticles for <i>In Vivo</i> Dual-Modality Positron Emission Tomography and Magnetic Resonance Imaging. <i>Journal of Biomedical Nanotechnology</i> , 2018, 14, 900-909.	1.1	29
60	Automatic coronary artery lumen segmentation in computed tomography angiography using paired multi-scale 3D CNN. , 2018, , .		6
61	Optical-CT Imaging. , 2018, , 167-186.		0
62	Silica Cross-Linked Micellar Core-Shell Nanoparticles Encapsulating IR-780 with Strong Bright and Good Biocompatibility for Optical Imaging <i>In Vivo</i> . <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 144-154.	1.1	10
63	Cerenkov luminescence imaging guided selective-reconstruction for a flexible dual-head PET. <i>Journal of Instrumentation</i> , 2017, 12, P04005-P04005.	1.2	1
64	Volumetric chemical imaging by stimulated Raman projection microscopy and tomography. <i>Nature Communications</i> , 2017, 8, 15117.	12.8	61
65	Variation and modeling of ultraviolet auroral oval boundaries associated with interplanetary and geomagnetic parameters. <i>Space Weather</i> , 2017, 15, 606-622.	3.7	15
66	Multi-view texture classification using hierarchical synthetic images. <i>Multimedia Tools and Applications</i> , 2017, 76, 17511-17523.	3.9	1
67	Radiolabeled, Antibody-Conjugated Manganese Oxide Nanoparticles for Tumor Vasculature Targeted Positron Emission Tomography and Magnetic Resonance Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 38304-38312.	8.0	47
68	Performance evaluation of a rotatory dual-head PET system with 90 <sup>°</sup> increments for small animal imaging. <i>Journal of Instrumentation</i> , 2017, 12, P09011-P09011.	1.2	6
69	3D Fusion Framework for Infarction and Angiogenesis Analysis in a Myocardial Infarct Minipig Model. <i>Molecular Imaging</i> , 2017, 16, 153601211770873.	1.4	7
70	A Big Aurora Data Management Framework Toward Aurora Classification. , 2017, , .		0
71	Persistent luminescence tomography for small animal imaging. <i>Biomedical Optics Express</i> , 2017, 8, 1466.	2.9	2
72	In Vivo Dual-Modality Fluorescence and Magnetic Resonance Imaging-Guided Lymph Node Mapping with Good Biocompatibility Manganese Oxide Nanoparticles. <i>Molecules</i> , 2017, 22, 2208.	3.8	21

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73	Aberrant Insula-Centered Functional Connectivity in Psychogenic Erectile Dysfunction Patients: A Resting-State fMRI Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 221.	2.0	24
74	Influence of Rotation Increments on Imaging Performance for a Rotatory Dual-Head PET System. <i>BioMed Research International</i> , 2017, 2017, 1-11.	1.9	0
75	Harnessing the Power of Cerenkov Luminescence Imaging for Gastroenterology: Cerenkov Luminescence Endoscopy. <i>Current Medical Imaging</i> , 2017, 13, 50-57.	0.8	8
76	Removing Noises Induced by Gamma Radiation in Cerenkov Luminescence Imaging Using a Temporal Median Filter. <i>BioMed Research International</i> , 2016, 2016, 1-9.	1.9	5
77	Micro-CT Imaging of RGD-Conjugated Gold Nanorods Targeting Tumor <i>In Vivo</i> . <i>Journal of Nanomaterials</i> , 2016, 2016, 1-13.	2.7	10
78	A Sparsity-Constrained Preconditioned Kaczmarz Reconstruction Method for Fluorescence Molecular Tomography. <i>BioMed Research International</i> , 2016, 2016, 1-15.	1.9	1
79	Multi-atlas registration and adaptive hexahedral voxel discretization for fast bioluminescence tomography. <i>Biomedical Optics Express</i> , 2016, 7, 1549.	2.9	7
80	Intrinsically Zirconium-89 Labeled Gd <sub>2</sub> O <sub>3</sub> :S:Eu Nanoprobes for In Vivo Positron Emission Tomography and Gamma-Ray-Induced Radioluminescence Imaging. <i>Small</i> , 2016, 12, 2872-2876.	10.0	32
81	Cell-free circulating tumor DNA in cancer. <i>Chinese Journal of Cancer</i> , 2016, 35, 36.	4.9	119
82	Investigation of injection dose and camera integration time on quantifying pharmacokinetics of a Cy5.5-GX1 probe with dynamic fluorescence imaging <i>in vivo</i> . <i>Journal of Biomedical Optics</i> , 2016, 21, 086001.	2.6	7
83	In vivo quantifying molecular specificity of Cy55-labeled cyclic 9-mer peptide probe with dynamic fluorescence imaging. <i>Biomedical Optics Express</i> , 2016, 7, 1149.	2.9	12
84	Optical-CT Imaging. <i>Imaging in Medical Diagnosis and Therapy</i> , 2016, , 167-186.	0.0	1
85	Innovation and fusion of x-ray and optical tomography for mouse studies of breast cancer. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
86	A hybrid registration-based method for whole-body micro-CT mice images. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 1037-1048.	2.8	1
87	<i>In Vivo</i> ; Magnetic Resonance and Fluorescence Dual-Modality Imaging of Tumor Angiogenesis in Rats Using GEBP11 Peptide Targeted Magnetic Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1011-1022.	1.1	9
88	Adaptively Alternative Light-Transport-Model-Based Three-Dimensional Optical Imaging for Longitudinal and Quantitative Monitoring of Gastric Cancer in Live Animal. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2095-2107.	4.2	8
89	Quantitative analysis of vascular parameters for micro-CT imaging of vascular networks with multi-resolution. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 511-524.	2.8	8
90	GPU accelerated simplified harmonic spherical approximation equations for three-dimensional optical imaging. <i>Chinese Optics Letters</i> , 2016, 14, 071701-71705.	2.9	0

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91	Fluorescent Gold Nanoclusters: Synthesis and Recent Biological Application. Journal of Nanomaterials, 2015, 2015, 1-23.	2.7	77
92	Temporal Unmixing of Dynamic Fluorescent Images by Blind Source Separation Method with a Convex Framework. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-12.	1.3	1
93	Intensity Enhanced Cerenkov Luminescence Imaging Using Terbium-Doped Gd <sub>2</sub> O <sub>3</sub> Microparticles. ACS Applied Materials & Interfaces, 2015, 7, 11775-11782.	8.0	29
94	Coupled third-order simplified spherical harmonics and diffusion equation-based fluorescence tomographic imaging of liver cancer. Journal of Biomedical Optics, 2015, 20, 090502.	2.6	6
95	Ultrasensitive <i>in Vivo</i> Detection of Primary Gastric Tumor and Lymphatic Metastasis Using Upconversion Nanoparticles. ACS Nano, 2015, 9, 2120-2129.	14.6	90
96	A new shape prior model with rotation invariance. Pattern Recognition Letters, 2015, 54, 82-88.	4.2	0
97	Sensitivity improvement of Cerenkov luminescence endoscope with terbium doped Gd <sub>2</sub> O <sub>3</sub> nanoparticles. Applied Physics Letters, 2015, 106, .	3.3	11
98	Performance evaluation of a 90°-rotating dual-head small animal PET system. Physics in Medicine and Biology, 2015, 60, 5873-5890.	3.0	6
99	Feasibility study of novel endoscopic Cerenkov luminescence imaging system in detecting and quantifying gastrointestinal disease: first human results. European Radiology, 2015, 25, 1814-1822.	4.5	58
100	Performance investigation of SP3 and diffusion approximation for three-dimensional whole-body optical imaging of small animals. Medical and Biological Engineering and Computing, 2015, 53, 805-814.	2.8	16
101	Generalized Random Grid-Based Visual Secret Sharing for General Access Structures. Computer Journal, 2015, 58, 2426-2442.	2.4	3
102	X-ray luminescence computed tomography imaging based on X-ray distribution model and adaptively split Bregman method. Biomedical Optics Express, 2015, 6, 2649.	2.9	25
103	Hybrid simplified spherical harmonics with diffusion equation for light propagation in tissues. Physics in Medicine and Biology, 2015, 60, 6305-6322.	3.0	12
104	Automatic segmentation method for bone and blood vessel in murine hindlimb. Medical Physics, 2015, 42, 4043-4054.	3.0	9
105	Scale invariant texture representation based on frequency decomposition and gradient orientation. Pattern Recognition Letters, 2015, 51, 57-62.	4.2	27
106	Multimodal Biomedical Optical Imaging Review: Towards Comprehensive Investigation of Biological Tissues. Current Molecular Imaging, 2015, 3, 72-87.	0.7	12
107	A Part-Based Probabilistic Model for Object Detection with Occlusion. PLoS ONE, 2014, 9, e84624.	2.5	4
108	In vivo quantitative evaluation of vascular parameters for angiogenesis based on sparse principal component analysis and aggregated boosted trees. Physics in Medicine and Biology, 2014, 59, 7777-7791.	3.0	9

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109	Quantitative cone beam X-ray luminescence tomography/X-ray computed tomography imaging. Applied Physics Letters, 2014, 105, .	3.3	31
110	Performance evaluation of endoscopic Cerenkov luminescence imaging system: in vitro and pseudotumor studies. Biomedical Optics Express, 2014, 5, 3660.	2.9	21
111	Incorporating MRI structural information into bioluminescence tomography: system, heterogeneous reconstruction and in vivo quantification. Biomedical Optics Express, 2014, 5, 1861.	2.9	22
112	Hybrid radiosity-SP3 equation based bioluminescence tomography reconstruction for turbid medium with low- and non-scattering regions. Journal of Applied Physics, 2014, 115, .	2.5	12
113	<i>L</i> <sup>1/2</sup> regularization based numerical method for effective reconstruction of bioluminescence tomography. Journal of Applied Physics, 2014, 115, .	2.5	23
114	Spatial Vascular Volume Fraction Imaging for Quantitative Assessment of Angiogenesis. Molecular Imaging and Biology, 2014, 16, 362-371.	2.6	5
115	A cyclic HSV1-TK reporter for real-time PET imaging of apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5165-5170.	7.1	20
116	Construction of thermal- and light-responsive liposomes noncovalently decorated with gold nanoparticles. RSC Advances, 2014, 4, 44568-44574.	3.6	5
117	Molecular imaging of p53 signal pathway in lung cancer cell cycle arrest induced by cisplatin. Molecular Carcinogenesis, 2013, 52, 900-907.	2.7	20
118	Fingerprint classification by a hierarchical classifier. Pattern Recognition, 2013, 46, 3186-3197.	8.1	47
119	ApoG2 induces ER stress-dependent apoptosis in gastric cancer cells in vitro and its real-time evaluation by bioluminescence imaging in vivo. Cancer Letters, 2013, 336, 260-269.	7.2	15
120	Continuous rotation invariant local descriptors for textron dictionary-based texture classification. Computer Vision and Image Understanding, 2013, 117, 56-75.	4.7	55
121	ApoG2 as the most potent gossypol derivatives inhibits cell growth and induces apoptosis on gastric cancer cells. Biomedicine and Pharmacotherapy, 2013, 67, 88-95.	5.6	10
122	Local Energy Pattern for Texture Classification Using Self-Adaptive Quantization Thresholds. IEEE Transactions on Image Processing, 2013, 22, 31-42.	9.8	138
123	<i>In Vivo</i> Gastric Cancer Targeting and Imaging Using Novel Symmetric Cyanine Dye-Conjugated CX1 Peptide Probes. Bioconjugate Chemistry, 2013, 24, 1134-1143.	3.6	29
124	Light transport in turbid media with non-scattering, low-scattering and high absorption heterogeneities based on hybrid simplified spherical harmonics with radiosity model. Biomedical Optics Express, 2013, 4, 2209.	2.9	16
125	Influence investigation of a void region on modeling light propagation in a heterogeneous medium. Applied Optics, 2013, 52, 400.	1.8	8
126	Feasibility study of endoscopic x-ray luminescence computed tomography: Simulation demonstration and phantom application. Journal of Applied Physics, 2013, 114, .	2.5	8



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127	Reconstruction algorithms based on l1-norm and l2-norm for two imaging models of fluorescence molecular tomography: a comparative study. <i>Journal of Biomedical Optics</i> , 2013, 18, 056013.	2.6	53
128	Determining scientific impact using a collaboration index. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9680-9685.	7.1	102
129	Cerenkov Luminescence Tomography of Aminopeptidase N (APN/CD13) Expression in Mice Bearing HT1080 Tumors. <i>Molecular Imaging</i> , 2013, 12, 7290.2012.00030.	1.4	22
130	Cone beam x-ray luminescence computed tomography: A feasibility study. <i>Medical Physics</i> , 2013, 40, 031111.	3.0	87
131	Noninvasive Visualization of MicroRNA-16 in the Chemoresistance of Gastric Cancer Using a Dual Reporter Gene Imaging System. <i>PLoS ONE</i> , 2013, 8, e61792.	2.5	32
132	Molecular Optical Simulation Environment (MOSE): A Platform for the Simulation of Light Propagation in Turbid Media. <i>PLoS ONE</i> , 2013, 8, e61304.	2.5	53
133	Computational Methodology of Optical Molecular Imaging. <i>Computational and Mathematical Methods in Medicine</i> , 2013, 2013, 1-1.	1.3	0
134	Molecular Optical Simulation Environment. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 15-46.	0.1	5
135	Multilevel, hybrid regularization method for reconstruction of fluorescent molecular tomography. <i>Applied Optics</i> , 2012, 51, 975.	1.8	24
136	Comparative studies of l <sub>1</sub> -p-regularization-based reconstruction algorithms for bioluminescence tomography. <i>Biomedical Optics Express</i> , 2012, 3, 2916.	2.9	18
137	Solving inverse problems for optical scanning holography using an adaptively iterative shrinkage-thresholding algorithm. <i>Optics Express</i> , 2012, 20, 5942.	3.4	17
138	Single photon emission computed tomography-guided Cerenkov luminescence tomography. <i>Journal of Applied Physics</i> , 2012, 112, 024703.	2.5	27
139	Extended Finite Element Method with Simplified Spherical Harmonics Approximation for the Forward Model of Optical Molecular Imaging. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-10.	1.3	3
140	Normalized Born Approximation-Based Two-Stage Reconstruction Algorithm for Quantitative Fluorescence Molecular Tomography. <i>Journal of Electrical and Computer Engineering</i> , 2012, 2012, 1-9.	0.9	2
141	Comparisons of hybrid radiosity-diffusion model and diffusion equation for bioluminescence tomography in cavity cancer detection. <i>Journal of Biomedical Optics</i> , 2012, 17, 066015.	2.6	16
142	A hard-threshold based sparse inverse imaging algorithm for optical scanning holography reconstruction. , 2012, , .		0
143	ADIPOSE-DERIVED STROMAL CELLS AMPLIFY THE ANGIOGENIC SIGNAL VIA VEGF/MTOR/AKT PATHWAY IN THE MURINE PERIPHERAL ARTERIAL DISEASE MODEL: AN IN VIVO 3D MULTIMODALITY IMAGING STUDY. <i>Heart</i> , 2012, 98, E129.1-E129.	2.9	0
144	Hybrid light transport model based bioluminescence tomography reconstruction for early gastric cancer detection. , 2012, , .		2

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145	Bimodal BLT source reconstruction based on adjoint diffusion equations. , 2012, , .		0
146	Multi fuzzy vault based on secret sharing for deadlock restoration. International Journal of Information Technology and Management, 2012, 11, 50.	0.1	1
147	Real-time bioluminescence and tomographic imaging of gastric cancer in a novel orthotopic mouse model. Oncology Reports, 2012, 27, 1937-43.	2.6	21
148	Automated Motion Correction for In Vivo Optical Projection Tomography. IEEE Transactions on Medical Imaging, 2012, 31, 1358-1371.	8.9	21
149	A div-curl regularization model for fingerprint orientation extraction. , 2012, , .		5
150	Auroral Sequence Representation and Classification Using Hidden Markov Models. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 5049-5060.	6.3	29
151	Automatic recognition of poleward moving auroras from all-sky image sequences based on HMM and SVM. Planetary and Space Science, 2012, 69, 40-48.	1.7	11
152	Comparison of Cerenkov Luminescence Imaging (CLI) and gamma camera imaging for visualization of let-7 expression in lung adenocarcinoma A549 Cells. Nuclear Medicine and Biology, 2012, 39, 948-953.	0.6	25
153	Mapping of bioluminescent images onto CT volume surface for dual-modality BLT and CT imaging. Journal of X-Ray Science and Technology, 2012, 20, 31-44.	1.0	3
154	Two-stage source reconstruction algorithm for bioluminescence tomography using hybrid FEM. International Journal of Automation and Computing, 2012, 9, 225-231.	4.5	1
155	Random local region descriptor (RLRD): A new method for fixed-length feature representation of fingerprint image and its application to template protection. Future Generation Computer Systems, 2012, 28, 236-243.	7.5	11
156	A novel ant colony optimization algorithm for large-distorted fingerprint matching. Pattern Recognition, 2012, 45, 151-161.	8.1	85
157	Minutia handedness: A novel global feature for minutiae-based fingerprint matching. Pattern Recognition Letters, 2012, 33, 1411-1421.	4.2	13
158	All-optical quantitative framework for bioluminescence tomography with non-contact measurement. International Journal of Automation and Computing, 2012, 9, 72-80.	4.5	3
159	Experimental Three-Dimensional Bioluminescence Tomography Reconstruction Using the $\ell_1$ Regularization. Advanced Science Letters, 2012, 16, 125-129.	0.2	2
160	Three-dimensional Noninvasive Monitoring Iodine-131 Uptake in the Thyroid Using a Modified Cerenkov Luminescence Tomography Approach. PLoS ONE, 2012, 7, e37623.	2.5	44
161	Adipose Stromal Cells Amplify Angiogenic Signaling via the VEGF/mTOR/Akt Pathway in a Murine Hindlimb Ischemia Model: A 3D Multimodality Imaging Study. PLoS ONE, 2012, 7, e45621.	2.5	44
162	Improved AFEM algorithm for bioluminescence tomography based on dual-mesh alternation strategy. Chinese Optics Letters, 2012, 10, 021701-21704.	2.9	1

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163	Fingerprint Singular Point Detection Based on Multiple-Scale Orientation Entropy. IEEE Signal Processing Letters, 2011, 18, 679-682.	3.6	14
164	Fingerprint matching by incorporating minutiae discriminability. , 2011, , .		20
165	Graphics processing unit parallel accelerated solution of the discrete ordinates for photon transport in biological tissues. Applied Optics, 2011, 50, 3808.	2.1	8
166	Voxel classification methodology for rapid Monte Carlo simulation of light propagation in complex media. Chinese Optics Letters, 2011, 9, 041701-41704.	2.9	0
167	Intrinsically organized network for word processing during the resting state. Neuroscience Letters, 2011, 487, 27-31.	2.1	23
168	Source sparsity based primal-dual interior-point method for three-dimensional bioluminescence tomography. Optics Communications, 2011, 284, 5871-5876.	2.1	29
169	Gait recognition based on improved dynamic Bayesian networks. Pattern Recognition, 2011, 44, 988-995.	8.1	25
170	Fingerprint segmentation based on an AdaBoost classifier. Frontiers of Computer Science, 2011, 5, 148-157.	0.6	21
171	A key binding system based on n-nearest minutiae structure of fingerprint. Pattern Recognition Letters, 2011, 32, 666-675.	4.2	74
172	Multi-modality molecular imaging for gastric cancer research. , 2011, , .		2
173	Modeling and reconstruction of optical tomography for endoscopic applications: Simulation demonstration. Applied Physics Letters, 2011, 99, .	3.3	4
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