

Changqing Li

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,104
citations

304368

22
h-index

233125

45
g-index

79
all docs

79
docs citations

79
times ranked

1563
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical imaging of Cerenkov light generation from positron-emitting radiotracers. <i>Physics in Medicine and Biology</i> , 2009, 54, N355-N365.	1.6	365
2	Nonlinear electric-mechanical behavior and micromechanics modelling of ferroelectric domain evolution. <i>Acta Materialia</i> , 1999, 47, 2913-2926.	3.8	160
3	Cerenkov luminescence tomography for small-animal imaging. <i>Optics Letters</i> , 2010, 35, 1109.	1.7	154
4	<i>In vivo</i> Cerenkov luminescence imaging: a new tool for molecular imaging. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 4605-4619.	1.6	145
5	NaGdF ₄ :Eu ³⁺ Nanoparticles for Enhanced X-ray Excited Optical Imaging. <i>Chemistry of Materials</i> , 2014, 26, 1881-1888.	3.2	138
6	Joint L^1 and total variation regularization for fluorescence molecular tomography. <i>Physics in Medicine and Biology</i> , 2012, 57, 1459-1476.	1.6	105
7	Nonlinear electric-mechanical behavior of a soft PZT-51 ferroelectric ceramic. <i>Journal of Materials Science</i> , 1999, 34, 4001-4010.	1.7	90
8	A three-dimensional multispectral fluorescence optical tomography imaging system for small animals based on a conical mirror design. <i>Optics Express</i> , 2009, 17, 7571.	1.7	83
9	Nonconvex regularizations in fluorescence molecular tomography for sparsity enhancement. <i>Physics in Medicine and Biology</i> , 2014, 59, 2901-2912.	1.6	64
10	X-ray luminescence optical tomography imaging: experimental studies. <i>Optics Letters</i> , 2013, 38, 2339.	1.7	62
11	Simultaneous PET and Multispectral 3-Dimensional Fluorescence Optical Tomography Imaging System. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1268-1275.	2.8	46
12	Multispectral breast imaging using a ten-wavelength, 64 source/detector channels silicon photodiode-based diffuse optical tomography system. <i>Medical Physics</i> , 2006, 33, 627-636.	1.6	45
13	Ultrasound-guided microwave imaging of breast cancer: Tissue phantom and pilot clinical experiments. <i>Medical Physics</i> , 2005, 32, 2528-2535.	1.6	42
14	Three-dimensional fluorescence optical tomography in small-animal imaging using simultaneous positron-emission-tomography priors. <i>Optics Letters</i> , 2009, 34, 2933.	1.7	41
15	A calibration method in diffuse optical tomography. <i>Journal of Optics</i> , 2004, 6, 844-852.	1.5	36
16	Multiple pinhole collimator based X-ray luminescence computed tomography. <i>Biomedical Optics Express</i> , 2016, 7, 2506.	1.5	36
17	Numerical simulation of x-ray luminescence optical tomography for small-animal imaging. <i>Journal of Biomedical Optics</i> , 2014, 19, 046002.	1.4	35
18	Structure-based design of charge-conversional drug self-delivery systems for better targeted cancer therapy. <i>Biomaterials</i> , 2020, 232, 119701.	5.7	33

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19	Nonuniform update for sparse target recovery in fluorescence molecular tomography accelerated by ordered subsets. <i>Biomedical Optics Express</i> , 2014, 5, 4249.	1.5	30
20	Phase-Contrast Diffuse Optical Tomography. <i>Academic Radiology</i> , 2008, 15, 859-866.	1.3	28
21	Comparison of Regularization Methods in Fluorescence Molecular Tomography. <i>Photonics</i> , 2014, 1, 95-109.	0.9	28
22	Noninvasive <i>in vivo</i> tomographic optical imaging of cellular morphology in the breast: Possible convergence of microscopic pathology and macroscopic radiology. <i>Medical Physics</i> , 2008, 35, 2493-2501.	1.6	25
23	Sensitivity study of x-ray luminescence computed tomography. <i>Applied Optics</i> , 2017, 56, 3010.	2.1	24
24	Anatomical image-guided fluorescence molecular tomography reconstruction using kernel method. <i>Journal of Biomedical Optics</i> , 2017, 22, 055001.	1.4	22
25	Imaging of particle size and concentration in heterogeneous turbid media with multispectral diffuse optical tomography. <i>Optics Express</i> , 2004, 12, 6313.	1.7	21
26	Accelerated image reconstruction in fluorescence molecular tomography using a nonuniform updating scheme with momentum and ordered subsets methods. <i>Journal of Biomedical Optics</i> , 2016, 21, 016004.	1.4	20
27	DigiWarp: a method for deformable mouse atlas warping to surface topographic data. <i>Physics in Medicine and Biology</i> , 2010, 55, 6197-6214.	1.6	18
28	Diffuse optical tomography for breast cancer imaging guided by computed tomography: A feasibility study. <i>Journal of X-Ray Science and Technology</i> , 2017, 25, 341-355.	0.7	18
29	X-ray luminescence computed tomography using a focused x-ray beam. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	17
30	Posture matching and elastic registration of a mouse atlas to surface topography range data. , 2009, 2009, 366-369.		15
31	Collimated superfine x-ray beam based x-ray luminescence computed tomography. <i>Journal of X-Ray Science and Technology</i> , 2017, 25, 945-957.	0.7	13
32	Multispectral diffuse optical tomography with absorption and scattering spectral constraints. <i>Applied Optics</i> , 2007, 46, 8229.	2.1	12
33	A systematic investigation of reflectance diffuse optical tomography using nonlinear reconstruction methods and continuous wave measurements. <i>Biomedical Optics Express</i> , 2014, 5, 3011.	1.5	12
34	Method for improving the spatial resolution of narrow x-ray beam-based x-ray luminescence computed tomography imaging. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	1.4	11
35	3D mouse shape reconstruction based on phase-shifting algorithm for fluorescence molecular tomography imaging system. <i>Applied Optics</i> , 2015, 54, 9573.	2.1	10
36	Self-assembled Camptothecin derivatives α -Curcuminoids conjugate for combinatorial chemo-photodynamic therapy to enhance anti-tumor efficacy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 215, 112124.	1.7	10

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37	Focused x-ray luminescence imaging system for small animals based on a rotary gantry. Journal of Biomedical Optics, 2021, 26, .	1.4	7
38	Contrast agents for x-ray luminescence computed tomography. Applied Optics, 2021, 60, 6769.	0.9	7
39	Background luminescence in x-ray luminescence computed tomography (XLCT) imaging. Applied Optics, 2019, 58, 1084.	0.9	7
40	Nonlinear electric-mechanical behavior of PZT-5 fiber reinforced composite with epoxy resin matrix. Journal of Materials Science Letters, 2000, 19, 1579-1581.	0.5	6
41	Microscopic x-ray luminescence computed tomography. Proceedings of SPIE, 2015, , .	0.8	6
42	Measurement of particle-size distribution and concentration in heterogeneous turbid media with multispectral diffuse optical tomography. Applied Optics, 2005, 44, 1838.	2.1	5
43	Kernel-based anatomically-aided diffuse optical tomography reconstruction. Biomedical Physics and Engineering Express, 2017, 3, 055002.	0.6	5
44	Lanthanide-doped nanoparticles for hybrid x-ray/optical imaging. Proceedings of SPIE, 2013, , .	0.8	4
45	X-ray Fluorescence Computed Tomography (XFCT) Imaging with a Superfine Pencil Beam X-ray Source. Photonics, 2021, 8, 236.	0.9	4
46	Time domain X-ray luminescence computed tomography: numerical simulations. Biomedical Optics Express, 2019, 10, 372.	1.5	4
47	Statistical image reconstruction for hybrid fluorescence optical tomography and positron emission tomography. , 2011, , .		3
48	Fiber based fast sparse sampling x-ray luminescence computed tomography. Proceedings of SPIE, 2017, , .	0.8	3
49	X-ray luminescence imaging for small animals. , 2020, 11224, .		3
50	Computationally efficient perturbative forward modeling for 3D multispectral bioluminescence and fluorescence tomography. Proceedings of SPIE, 2008, , .	0.8	2
51	Accelerating spatially non-uniform update for sparse target recovery in fluorescence molecular tomography by ordered subsets and momentum methods. Proceedings of SPIE, 2015, , .	0.8	2
52	Application of kernel method in fluorescence molecular tomography. Proceedings of SPIE, 2017, , .	0.8	2
53	A feasibility study of time of flight cone beam computed tomography imaging. Journal of X-Ray Science and Technology, 2021, 29, 1-14.	0.7	2
54	High-resolution x-ray luminescence computed tomography. , 2020, 11317, .		2

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55	Super-fast three-dimensional focused x-ray luminescence computed tomography with a gated photon counter. , 2022, , .		2
56	Correlation between X-ray tube current exposure time and X-ray photon number in GATE. Journal of X-Ray Science and Technology, 2022, 30, 667-675.	0.7	2
57	Breast cancer detection using phase contrast diffuse optical tomography. , 2007, , .		1
58	Numerical and experimental studies of x-ray luminescence optical tomography for small animal imaging. , 2013, , .		1
59	Fluorescence molecular imaging system with a novel mouse surface extraction method and a rotary scanning scheme. , 2015, , .		1
60	CT guided diffuse optical tomography for breast cancer imaging. , 2016, , .		1
61	Optimization and performance evaluation of a conical mirror based fluorescence molecular tomography imaging system. Proceedings of SPIE, 2016, , .	0.8	1
62	Gaussian kernel based anatomically-aided diffuse optical tomography reconstruction. Proceedings of SPIE, 2017, , .	0.8	1
63	Radiation dose estimation for pencil beam X-ray luminescence computed tomography imaging. Journal of X-Ray Science and Technology, 2021, 29, 773-784.	0.7	1
64	X-ray luminescence computed tomography: a sensitivity study. , 2017, , .		1
65	X-ray luminescence imaging of water, air, and tissue phantoms. , 2018, , .		1
66	Focused x-ray luminescence computed tomography: experimental studies. , 2019, 10871, .		1
67	PET/CT guided time-domain diffuse optical tomography for breast cancer imaging. , 2019, , .		1
68	Simultaneous PET and 3D Fluorescence Optical Tomography for Small Animal Imaging: In vivo Results and System Improvements. , 2010, , .		0
69	Nonconvex reconstruction for low-dimensional fluorescence molecular tomographic poisson observations. , 2015, , .		0
70	Multiple pinhole collimator based microscopic x-ray luminescence computed tomography. , 2016, , .		0
71	Direct reconstruction of pharmacokinetic parameters in dynamic fluorescence molecular tomography by the augmented Lagrangian method. , 2016, , .		0
72	Morphological imaging of the breast with multi-spectral diffuse optical tomography. , 2006, , .		0

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73	A high sensitivity multi-spectral three-dimensional fluorescence optical tomography system for small animal imaging. Proceedings of SPIE, 2009, , .	0.8	0
74	Cerenkov Luminescence Tomography for Small Animal Imaging. , 2010, , .		0
75	Improved in vivo Fluorescence Tomography and Quantitation in Small Animals Using a Novel Multiview, Multispectral Imaging System. , 2010, , .		0
76	Optimization of the conical mirror design based on Monte Carlo simulations for fluorescence molecular tomography. , 2018, , .		0
77	High energy photons excited photodynamic cancer therapy in vitro. , 2018, , .		0
78	Focused x-ray luminescence computed tomography. , 2019, , .		0