

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	Super-fast three-dimensional focused x-ray luminescence computed tomography with a gated photon counter. , 2022, , .		2
2	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
3	Self-assembled Camptothecin derivatives “ Curcuminoids conjugate for combinatorial chemo-photodynamic therapy to enhance anti-tumor efficacy. Journal of Photochemistry and Photobiology B: Biology, 2021, 215, 112124.	1.7	10
4	Focused x-ray luminescence imaging system for small animals based on a rotary gantry. Journal of Biomedical Optics, 2021, 26, .	1.4	7
5	X-ray Fluorescence Computed Tomography (XFCT) Imaging with a Superfine Pencil Beam X-ray Source. Photonics, 2021, 8, 236.	0.9	4
6	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
7	Contrast agents for x-ray luminescence computed tomography. Applied Optics, 2021, 60, 6769.	0.9	7
8	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
9	Structure-based design of charge-conversional drug self-delivery systems for better targeted cancer therapy. Biomaterials, 2020, 232, 119701.	5.7	33
10	High-resolution x-ray luminescence computed tomography. , 2020, 11317, .		2
11	X-ray luminescence imaging for small animals. , 2020, 11224, .		3
12	Method for improving the spatial resolution of narrow x-ray beam-based x-ray luminescence computed tomography imaging. Journal of Biomedical Optics, 2019, 24, 1.	1.4	11
13	Background luminescence in x-ray luminescence computed tomography (XLCT) imaging. Applied Optics, 2019, 58, 1084.	0.9	7
14	Time domain X-ray luminescence computed tomography: numerical simulations. Biomedical Optics Express, 2019, 10, 372.	1.5	4
15	Focused x-ray luminescence computed tomography: experimental studies. , 2019, 10871, .		1
16	PET/CT guided time-domain diffuse optical tomography for breast cancer imaging. , 2019, , .		1
17	Focused x-ray luminescence computed tomography. , 2019, , .		0
18	X-ray luminescence imaging of water, air, and tissue phantoms. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Optimization of the conical mirror design based on Monte Carlo simulations for fluorescence molecular tomography. , 2018, , .		0
20	High energy photons excited photodynamic cancer therapy in vitro. , 2018, , .		0
21	Gaussian kernel based anatomically-aided diffuse optical tomography reconstruction. Proceedings of SPIE, 2017, , .	0.8	1
22	Fiber based fast sparse sampling x-ray luminescence computed tomography. Proceedings of SPIE, 2017, , .	0.8	3
23	Application of kernel method in fluorescence molecular tomography. Proceedings of SPIE, 2017, , .	0.8	2
24	Sensitivity study of x-ray luminescence computed tomography. Applied Optics, 2017, 56, 3010.	2.1	24
25	Anatomical image-guided fluorescence molecular tomography reconstruction using kernel method. Journal of Biomedical Optics, 2017, 22, 055001.	1.4	22
26	Kernel-based anatomically-aided diffuse optical tomography reconstruction. Biomedical Physics and Engineering Express, 2017, 3, 055002.	0.6	5
27	Diffuse optical tomography for breast cancer imaging guided by computed tomography: A feasibility study. Journal of X-Ray Science and Technology, 2017, 25, 341-355.	0.7	18
28	Collimated superfine x-ray beam based x-ray luminescence computed tomography. Journal of X-Ray Science and Technology, 2017, 25, 945-957.	0.7	13
29	X-ray luminescence computed tomography using a focused x-ray beam. Journal of Biomedical Optics, 2017, 22, 1.	1.4	17
30	X-ray luminescence computed tomography: a sensitivity study. , 2017, , .		1
31	Multiple pinhole collimator based X-ray luminescence computed tomography. Biomedical Optics Express, 2016, 7, 2506.	1.5	36
32	Multiple pinhole collimator based microscopic x-ray luminescence computed tomography. , 2016, , .		0
33	CT guided diffuse optical tomography for breast cancer imaging. , 2016, , .		1
34	Optimization and performance evaluation of a conical mirror based fluorescence molecular tomography imaging system. Proceedings of SPIE, 2016, , .	0.8	1
35	Accelerated image reconstruction in fluorescence molecular tomography using a nonuniform updating scheme with momentum and ordered subsets methods. Journal of Biomedical Optics, 2016, 21, 016004.	1.4	20
36	Direct reconstruction of pharmacokinetic parameters in dynamic fluorescence molecular tomography by the augmented Lagrangian method. , 2016, , .		0

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37	Nonconvex reconstruction for low-dimensional fluorescence molecular tomographic poisson observations. , 2015, , .		0
38	3D mouse shape reconstruction based on phase-shifting algorithm for fluorescence molecular tomography imaging system. Applied Optics, 2015, 54, 9573.	2.1	10
39	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
40	Microscopic x-ray luminescence computed tomography. Proceedings of SPIE, 2015, , .	0.8	6
41	Fluorescence molecular imaging system with a novel mouse surface extraction method and a rotary scanning scheme. , 2015, , .		1
42	Comparison of Regularization Methods in Fluorescence Molecular Tomography. Photonics, 2014, 1, 95-109.	0.9	28
43	A systematic investigation of reflectance diffuse optical tomography using nonlinear reconstruction methods and continuous wave measurements. Biomedical Optics Express, 2014, 5, 3011.	1.5	12
44	Nonuniform update for sparse target recovery in fluorescence molecular tomography accelerated by ordered subsets. Biomedical Optics Express, 2014, 5, 4249.	1.5	30
45	Numerical simulation of x-ray luminescence optical tomography for small-animal imaging. Journal of Biomedical Optics, 2014, 19, 046002.	1.4	35
46	Nonconvex regularizations in fluorescence molecular tomography for sparsity enhancement. Physics in Medicine and Biology, 2014, 59, 2901-2912.	1.6	64
47	NaGdF ₄ :Eu ³⁺ Nanoparticles for Enhanced X-ray Excited Optical Imaging. Chemistry of Materials, 2014, 26, 1881-1888.	3.2	138
48	Lanthanide-doped nanoparticles for hybrid x-ray/optical imaging. Proceedings of SPIE, 2013, , .	0.8	4
49	X-ray luminescence optical tomography imaging: experimental studies. Optics Letters, 2013, 38, 2339.	1.7	62
50	Numerical and experimental studies of x-ray luminescence optical tomography for small animal imaging. , 2013, , .		1
51	Joint L^1 and total variation regularization for fluorescence molecular tomography. Physics in Medicine and Biology, 2012, 57, 1459-1476.	1.6	105
52	Simultaneous PET and Multispectral 3-Dimensional Fluorescence Optical Tomography Imaging System. Journal of Nuclear Medicine, 2011, 52, 1268-1275.	2.8	46
53	Statistical image reconstruction for hybrid fluorescence optical tomography and positron emission tomography. , 2011, , .		3
54	<i>In vivo</i> Cerenkov luminescence imaging: a new tool for molecular imaging. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 4605-4619.	1.6	145

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55	Simultaneous PET and 3D Fluorescence Optical Tomography for Small Animal Imaging: In vivo Results and System Improvements. , 2010, , .		0
56	Cerenkov luminescence tomography for small-animal imaging. Optics Letters, 2010, 35, 1109.	1.7	154
57	DigiWarp: a method for deformable mouse atlas warping to surface topographic data. Physics in Medicine and Biology, 2010, 55, 6197-6214.	1.6	18
58	Cerenkov Luminescence Tomography for Small Animal Imaging. , 2010, , .		0
59	Improved in vivo Fluorescence Tomography and Quantitation in Small Animals Using a Novel Multiview, Multispectral Imaging System. , 2010, , .		0
60	Three-dimensional fluorescence optical tomography in small-animal imaging using simultaneous positron-emission-tomography priors. Optics Letters, 2009, 34, 2933.	1.7	41
61	A three-dimensional multispectral fluorescence optical tomography imaging system for small animals based on a conical mirror design. Optics Express, 2009, 17, 7571.	1.7	83
62	Optical imaging of Cerenkov light generation from positron-emitting radiotracers. Physics in Medicine and Biology, 2009, 54, N355-N365.	1.6	365
63	Posture matching and elastic registration of a mouse atlas to surface topography range data. , 2009, 2009, 366-369.		15
64	A high sensitivity multi-spectral three-dimensional fluorescence optical tomography system for small animal imaging. Proceedings of SPIE, 2009, , .	0.8	0
65	Phase-Contrast Diffuse Optical Tomography. Academic Radiology, 2008, 15, 859-866.	1.3	28
66	Computationally efficient perturbative forward modeling for 3D multispectral bioluminescence and fluorescence tomography. Proceedings of SPIE, 2008, , .	0.8	2
67	Noninvasive <i>in vivo</i> tomographic optical imaging of cellular morphology in the breast: Possible convergence of microscopic pathology and macroscopic radiology. Medical Physics, 2008, 35, 2493-2501.	1.6	25
68	Breast cancer detection using phase contrast diffuse optical tomography. , 2007, , .		1
69	Multispectral diffuse optical tomography with absorption and scattering spectral constraints. Applied Optics, 2007, 46, 8229.	2.1	12
70	Multispectral breast imaging using a ten-wavelength, 64Å–64 source/detector channels silicon photodiode-based diffuse optical tomography system. Medical Physics, 2006, 33, 627-636.	1.6	45
71	Morphological imaging of the breast with multi-spectral diffuse optical tomography. , 2006, , .		0
72	Ultrasound-guided microwave imaging of breast cancer: Tissue phantom and pilot clinical experiments. Medical Physics, 2005, 32, 2528-2535.	1.6	42

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73	Measurement of particle-size distribution and concentration in heterogeneous turbid media with multispectral diffuse optical tomography. <i>Applied Optics</i> , 2005, 44, 1838.	2.1	5
74	A calibration method in diffuse optical tomography. <i>Journal of Optics</i> , 2004, 6, 844-852.	1.5	36
75	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
76	Nonlinear electric-mechanical behavior of PZT-5 fiber reinforced composite with epoxy resin matrix. <i>Journal of Materials Science Letters</i> , 2000, 19, 1579-1581.	0.5	6
77	Nonlinear electric-mechanical behavior and micromechanics modelling of ferroelectric domain evolution. <i>Acta Materialia</i> , 1999, 47, 2913-2926.	3.8	160
78	Nonlinear electric-mechanical behavior of a soft PZT-51 ferroelectric ceramic. <i>Journal of Materials Science</i> , 1999, 34, 4001-4010.	1.7	90