Pierre Grangeat

List of Publications by Year
in descending order

37 papers	778 citations	758635 12 h-index	580395 25 g-index
41 all docs	41 docs citations	41 times ranked	485 citing authors

#	Article	IF	Citations
1	Geometric calibration method for multiple-head cone-beam SPECT system. IEEE Transactions on Nuclear Science, 1994, 41, 2748-2757.	1.2	67
2	Theoretical framework for a dynamic cone-beam reconstruction algorithm based on a dynamic particle model. Physics in Medicine and Biology, 2002, 47, 2611-2625.	1.6	55
3	Dynamic X-ray computed tomography. Proceedings of the IEEE, 2003, 91, 1574-1587.	16.4	55
4	Exact reconstruction in 2D dynamic CT: compensation of time-dependent affine deformations. Physics in Medicine and Biology, 2004, 49, 2169-2182.	1.6	55
5	Radon transforms on a class of cones with fixed axis direction. Journal of Physics A, 2005, 38, 8003-8015.	1.6	42
6	Compensation of Some Time Dependent Deformations in Tomography. IEEE Transactions on Medical Imaging, 2007, 26, 261-269.	5.4	40
7	Comparison of two three-dimensional x-ray cone-beam-reconstruction algorithms with circular source trajectories. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1991, 8, 1639.	0.8	32
8	Three-dimensional PET reconstruction with time-of-flight measurement. Physics in Medicine and Biology, 1992, 37, 717-729.	1.6	31
9	Absolute quantitation of iodine-123 epidepride kinetics using single-photon emission tomography: comparison with carbon-11 epidepride and positron emission tomography. European Journal of Nuclear Medicine and Molecular Imaging, 1999, 26, 1580-1588.	3.3	20
10	A Linear-Quadratic Model for the Quantification of a Mixture of Two Diluted Gases with a Single Metal Oxide Sensor. Sensors, 2018, 18, 1785.	2.1	18
11	Nanoinformatics: developing new computing applications for nanomedicine. Computing (Vienna/New) Tj ETQq1 1 0.784314 rgBT /Ov	3.2	15
12	Cone-beam spelt with a tilted detector. Computerized Medical Imaging and Graphics, 1993, 17, 279-287.	3.5	13
13	<title>Evaluation of the 3-D radon transform algorithm for cone beam reconstruction</title>. , 1991, , .		10
14	Classification of Proteomic MS Data as Bayesian Solution of an Inverse Problem. IEEE Access, 2014, 2, 1248-1262.	2.6	9
15	Minimal residual cone-beam reconstruction with attenuation correction in SPECT. Physics in Medicine and Biology, 1998, 43, 715-727.	1.6	8
16	Multichannel algorithm for fast 3D reconstruction. Physics in Medicine and Biology, 2002, 47, 2659-2671.	1.6	7
17	Sampling conditions of 3D parallel and fan-beam x-ray CT with application to helical tomography. Physics in Medicine and Biology, 2004, 49, 2377-2390.	1.6	7
18	Variance component analysis to assess protein quantification in biomarker validation: application to selected reaction monitoring-mass spectrometry. BMC Bioinformatics, 2018, 19, 73.	1.2	7

#	Article	IF	Citations
19	Bayesian inference for biomarker discovery in proteomics: an analytic solution. Eurasip Journal on Bioinformatics and Systems Biology, 2017, 2017, 9.	1.4	5
20	Comparison of three 3D-Reconstruction Methods from Cone-Beam Data. Computational Imaging and Vision, 1996, , 3-18.	0.6	5
21	Joint Bayesian hierarchical inversion-classification and application in proteomics. , 2011, , .		4
22	Supervised Bayesian Source Separation of Nonlinear Mixtures for Quantitative Analysis of Gas Mixtures. , 2018, 2018, 1230-1233.		4
23	A multifocal collimator with circularly distributed focal points for SPECT imaging. IEEE Transactions on Nuclear Science, 1994, 41, 1473-1480.	1.2	3
24	Efficient acquisition for periodic dynamic CT. IEEE Transactions on Nuclear Science, 2003, 50, 1672-1677.	1.2	3
25	Interventional X-ray Volume Tomography. , 0, , 287-306.		3
26	A Bayesian Blind Source Separation Method for a Linear-quadratic Model. , 2018, , .		3
27	From molecular model to sparse representation of chromatographic signals with an unknown number of peaks. , 2015, 2015, 7849-52.		2
28	Electrochemical DNA-Hybridisation Detection via Enzymatic Amplification at Microelectrode Array Modified with Polypyrrole-Oligonucleotide Films. Sensor Letters, 2009, 7, 880-887.	0.4	2
29	Dynamic reconstruction for radiotherapy planning. , 2002, , 521-526.		2
30	Geometric calibration method for multiple heads cone-beam SPECT system. , 0, , .		1
31	Dynamic CT simulation for minimal invasive surgery. , 2004, 5368, 564.		1
32	Signal analysis of NEMS sensors at the output of a chromatography column. , 2015, , .		1
33	Nonparametric Bayesian inference on environmental waters chromatographic profiles. , 2015, , .		1
34	Variance component analysis to assess protein quantification in biomarker discovery. Application to MALDIâ€TOF mass spectrometry. Biometrical Journal, 2018, 60, 262-274.	0.6	1
35	A Circular Multifocal Collimator For 3D SPECT Imaging. , 0, , .		0
36	MCMC-based inversion algorithm dedicated to NEMS mass Spectrometry. , 2013, , .		0

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37	Chromatographic signal processing for PAH in methanol solution. , 2015, , .		0