

Pierre Grangeat

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Variance component analysis to assess protein quantification in biomarker discovery. Application to MALDI-TOF mass spectrometry. Biometrical Journal, 2018, 60, 262-274. | 0.6 | 1 |
| 2 | A Bayesian Blind Source Separation Method for a Linear-quadratic Model. , 2018, , . | | 3 |
| 3 | Supervised Bayesian Source Separation of Nonlinear Mixtures for Quantitative Analysis of Gas Mixtures. , 2018, 2018, 1230-1233. | | 4 |
| 4 | 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 |
| 5 | 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 |
| 6 | Bayesian inference for biomarker discovery in proteomics: an analytic solution. Eurasip Journal on Bioinformatics and Systems Biology, 2017, 2017, 9. | 1.4 | 5 |
| 7 | Signal analysis of NEMS sensors at the output of a chromatography column. , 2015, , . | | 1 |
| 8 | Nonparametric Bayesian inference on environmental waters chromatographic profiles. , 2015, , . | | 1 |
| 9 | From molecular model to sparse representation of chromatographic signals with an unknown number of peaks. , 2015, 2015, 7849-52. | | 2 |
| 10 | Chromatographic signal processing for PAH in methanol solution. , 2015, , . | | 0 |
| 11 | Classification of Proteomic MS Data as Bayesian Solution of an Inverse Problem. IEEE Access, 2014, 2, 1248-1262. | 2.6 | 9 |
| 12 | MCMC-based inversion algorithm dedicated to NEMS mass Spectrometry. , 2013, , . | | 0 |
| 13 | Nanoinformatics: developing new computing applications for nanomedicine. Computing (Vienna/New) Tj ETQq1 1 0.784314 jgBT /Ov 3.2 15 | | 0 |
| 14 | Joint Bayesian hierarchical inversion-classification and application in proteomics. , 2011, , . | | 4 |
| 15 | Electrochemical DNA-Hybridisation Detection via Enzymatic Amplification at Microelectrode Array Modified with Polypyrrole-Oligonucleotide Films. Sensor Letters, 2009, 7, 880-887. | 0.4 | 2 |
| 16 | Compensation of Some Time Dependent Deformations in Tomography. IEEE Transactions on Medical Imaging, 2007, 26, 261-269. | 5.4 | 40 |
| 17 | Radon transforms on a class of cones with fixed axis direction. Journal of Physics A, 2005, 38, 8003-8015. | 1.6 | 42 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Exact reconstruction in 2D dynamic CT: compensation of time-dependent affine deformations. <i>Physics in Medicine and Biology</i> , 2004, 49, 2169-2182. | 1.6 | 55 |
| 20 | Dynamic CT simulation for minimal invasive surgery. , 2004, 5368, 564. | | 1 |
| 21 | Dynamic X-ray computed tomography. <i>Proceedings of the IEEE</i> , 2003, 91, 1574-1587. | 16.4 | 55 |
| 22 | Efficient acquisition for periodic dynamic CT. <i>IEEE Transactions on Nuclear Science</i> , 2003, 50, 1672-1677. | 1.2 | 3 |
| 23 | Theoretical framework for a dynamic cone-beam reconstruction algorithm based on a dynamic particle model. <i>Physics in Medicine and Biology</i> , 2002, 47, 2611-2625. | 1.6 | 55 |
| 24 | Multichannel algorithm for fast 3D reconstruction. <i>Physics in Medicine and Biology</i> , 2002, 47, 2659-2671. | 1.6 | 7 |
| 25 | Dynamic reconstruction for radiotherapy planning. , 2002, , 521-526. | | 2 |
| 26 | Absolute quantitation of iodine-123 epidepride kinetics using single-photon emission tomography: comparison with carbon-11 epidepride and positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1999, 26, 1580-1588. | 3.3 | 20 |
| 27 | Minimal residual cone-beam reconstruction with attenuation correction in SPECT. <i>Physics in Medicine and Biology</i> , 1998, 43, 715-727. | 1.6 | 8 |
| 28 | Comparison of three 3D-Reconstruction Methods from Cone-Beam Data. <i>Computational Imaging and Vision</i> , 1996, , 3-18. | 0.6 | 5 |
| 29 | Geometric calibration method for multiple-head cone-beam SPECT system. <i>IEEE Transactions on Nuclear Science</i> , 1994, 41, 2748-2757. | 1.2 | 67 |
| 30 | A multifocal collimator with circularly distributed focal points for SPECT imaging. <i>IEEE Transactions on Nuclear Science</i> , 1994, 41, 1473-1480. | 1.2 | 3 |
| 31 | Cone-beam spelt with a tilted detector. <i>Computerized Medical Imaging and Graphics</i> , 1993, 17, 279-287. | 3.5 | 13 |
| 32 | Three-dimensional PET reconstruction with time-of-flight measurement. <i>Physics in Medicine and Biology</i> , 1992, 37, 717-729. | 1.6 | 31 |
| 33 | Comparison of two three-dimensional x-ray cone-beam-reconstruction algorithms with circular source trajectories. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1991, 8, 1639. | 0.8 | 32 |
| 34 | <title>Evaluation of the 3-D radon transform algorithm for cone beam reconstruction</title>. , 1991, , . | | 10 |
| 35 | A Circular Multifocal Collimator For 3D SPECT Imaging. , 0, , . | | 0 |
| 36 | Geometric calibration method for , multiple heads cone-beam SPECT system. , 0, , . | | 1 |

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|----|---------------------------------------------------------|----|-----------|
| 37 | Interventional X-ray Volume Tomography. , 0, , 287-306. | | 3 |