

James Joseph

List of Publications by Year in descending order

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46
papers

984
citations

567144

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434063

31
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49
all docs

49
docs citations

49
times ranked

1722
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA-Based Nanocarriers to Enhance the Photoacoustic Contrast of Tumors In Vivo. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001739.	3.9	5
2	A Copolymer-in-Oil Tissue-Mimicking Material With Tuneable Acoustic and Optical Characteristics for Photoacoustic Imaging Phantoms. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3593-3603.	5.4	10
3	Multi-modal imaging of high-risk ductal carcinoma in situ of the breast using C2Am: a targeted cell death imaging agent. <i>Breast Cancer Research</i> , 2021, 23, 25.	2.2	3
4	Technical validation studies of a dual-wavelength LED-based photoacoustic and ultrasound imaging system. <i>Photoacoustics</i> , 2021, 22, 100267.	4.4	9
5	First experience in clinical application of hyperspectral endoscopy for evaluation of colonic polyps. <i>Journal of Biophotonics</i> , 2021, 14, e202100078.	1.1	10
6	IPASC: a Community-Driven Consensus-Based Initiative Towards Standardisation in Photoacoustic Imaging. , 2020, , .		1
7	Optoacoustic Imaging Detects Hormone-Related Physiological Changes of Breast Parenchyma. <i>Ultraschall in Der Medizin</i> , 2019, 40, 757-763.	0.8	8
8	An Activatable Cancer-Targeted Hydrogen Peroxide Probe for Photoacoustic and Fluorescence Imaging. <i>Cancer Research</i> , 2019, 79, 5407-5417.	0.4	31
9	A clinically translatable hyperspectral endoscopy (HySE) system for imaging the gastrointestinal tract. <i>Nature Communications</i> , 2019, 10, 1902.	5.8	75
10	Quantitative phase and polarization imaging through an optical fiber applied to detection of early esophageal tumorigenesis. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	1.4	16
11	International Photoacoustic Standardisation Consortium (IPASC): overview (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50		1
12	Full-field quantitative phase and polarisation-resolved imaging through an optical fibre bundle. <i>Optics Express</i> , 2019, 27, 23929.	1.7	14
13	Engineered contrast agent platforms for enhanced photoacoustic signal and tumor uptake (Conference Presentation). , 2019, , .		0
14	An active DNA-based nanoprobe for photoacoustic pH imaging. <i>Chemical Communications</i> , 2018, 54, 10176-10178.	2.2	6
15	Oxygen-Enhanced and Dynamic Contrast-Enhanced Optoacoustic Tomography Provide Surrogate Biomarkers of Tumor Vascular Function, Hypoxia, and Necrosis. <i>Cancer Research</i> , 2018, 78, 5980-5991.	0.4	44
16	Bimodal reflectance and fluorescence multispectral endoscopy based on spectrally resolving detector arrays. <i>Journal of Biomedical Optics</i> , 2018, 24, 1.	1.4	17
17	Evaluation of Precision in Optoacoustic Tomography for Preclinical Imaging in Living Subjects. <i>Journal of Nuclear Medicine</i> , 2017, 58, 807-814.	2.8	64
18	Quantitative imaging of tumor vasculature using multispectral optoacoustic tomography (MSOT). , 2017, , .		0

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19	Fluorescence hyperspectral imaging (fHSI) using a spectrally resolved detector array. Journal of Biophotonics, 2017, 10, 840-853.	1.1	29
20	Distance dependent photoacoustics revealed through DNA nanostructures. Nanoscale, 2017, 9, 16193-16199.	2.8	15
21	Towards Quantitative Evaluation of Tissue Absorption Coefficients Using Light Fluence Correction in Optoacoustic Tomography. IEEE Transactions on Medical Imaging, 2017, 36, 322-331.	5.4	73
22	A multispectral endoscope based on spectrally resolved detector arrays. Proceedings of SPIE, 2017, , .	0.8	3
23	Measurement of changes in blood oxygenation using Multispectral Optoacoustic Tomography (MSOT) allows assessment of tumor development. , 2016, , .		1
24	Real time monitoring of aminothiols level in blood using a near-infrared dye assisted deep tissue fluorescence and photoacoustic bimodal imaging. Chemical Science, 2016, 7, 4110-4116.	3.7	63
25	Design and validation of a near-infrared fluorescence endoscope for detection of early esophageal malignancy. Journal of Biomedical Optics, 2016, 21, 084001.	1.4	23
26	In vivo light fluence correction for determination of tissue absorption coefficient using Multispectral Optoacoustic Tomography. , 2016, , .		0
27	Design and validation of a near-infrared fluorescence endoscope for detection of early esophageal malignancy using a targeted imaging probe. Proceedings of SPIE, 2016, , .	0.8	0
28	Light fluence correction for quantitative determination of tissue absorption coefficient using multi-spectral optoacoustic tomography. , 2015, , .		0
29	Near-Infrared Squaraine Dye Encapsulated Micelles for <i>in Vivo</i> Fluorescence and Photoacoustic Bimodal Imaging. ACS Nano, 2015, 9, 5695-5704.	7.3	145
30	Three-Photon-Excited Luminescence from Unsymmetrical Cyanostilbene Aggregates: Morphology Tuning and Targeted Bioimaging. ACS Nano, 2015, 9, 4796-4805.	7.3	51
31	Graphene Oxide Wrapping of Gold-Silica Core-Shell Nanohybrids for Photoacoustic Signal Generation and Bimodal Imaging. ChemNanoMat, 2015, 1, 39-45.	1.5	20
32	Single-Pixel Phase-Corrected Fiber Bundle Endomicroscopy With Lensless Focussing Capability. Journal of Lightwave Technology, 2015, 33, 3419-3425.	2.7	5
33	Evaluation of multispectral optoacoustic tomography (MSOT) performance in phantoms and in vivo. , 2015, , .		1
34	Light fluence correction for quantitative determination of tissue absorption coefficient using multi-spectral optoacoustic tomography. , 2015, , .		2
35	Coherent fiber bundle based integrated photoacoustic, ultrasound and fluorescence imaging (PAUSFI) for endoscopy and diagnostic bio-imaging applications. Laser Physics, 2014, 24, 085608.	0.6	3
36	Integrated photoacoustic, ultrasound and fluorescence platform for diagnostic medical imaging-proof of concept study with a tissue mimicking phantom. Biomedical Optics Express, 2014, 5, 2135.	1.5	27

#	ARTICLE	IF	CITATIONS
37	Imaging: Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice (Adv.) Tj ETQq1	11.1	143
38	Poly(Acrylic Acid)-Capped and Dye-Loaded Graphene Oxide-Mesoporous Silica: A Nano-Sandwich for Two-Photon and Photoacoustic Dual-Mode Imaging. Particle and Particle Systems Characterization, 2014, 31, 1060-1066.	1.2	24
39	Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice. Advanced Materials, 2014, 26, 5633-5638.	11.1	158
40	Red, green, and blue gray-value shift-based approach to whole-field imaging for tissue diagnostics. Journal of Biomedical Optics, 2012, 17, 0760101.	1.4	10
41	Thermal diffusivity variations in nanoparticle administered phantom tissues – a photoacoustic investigation. EPJ Applied Physics, 2012, 59, 30501.	0.3	1
42	Calculation of optical properties of nanoparticles for biomedical applications. Proceedings of SPIE, 2011, , .	0.8	0
43	Photoacoustic based surface plasmon resonance spectroscopy: an investigation. , 2011, , .		2
44	Effect of Composition, Dimension and Shape on the Optical Properties of Gold Nanoparticles – A Theoretical Analysis. Advanced Science, Engineering and Medicine, 2011, 3, 188-196.	0.3	1
45	High Resolution Optical Imaging of Epithelial and Neuronal Cells. Journal of Medical Imaging and Health Informatics, 2011, 1, 354-359.	0.2	8
46	Laser-induced photoacoustic spectroscopy investigation of colon phantom tissue. Applied Physics A: Materials Science and Processing, 2010, 101, 567-571.	1.1	1