James Joseph

List of Publications by Year
in descending order

46	984	567144 15	434063 31
papers	citations	h-index	g-index

49	49	49	1722
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice. Advanced Materials, 2014, 26, 5633-5638.	11.1	158
2	Near-Infrared Squaraine Dye Encapsulated Micelles for in Vivo Fluorescence and Photoacoustic Bimodal Imaging. ACS Nano, 2015, 9, 5695-5704.	7.3	145
3	A clinically translatable hyperspectral endoscopy (HySE) system for imaging the gastrointestinal tract. Nature Communications, 2019, 10, 1902.	5.8	75
4	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
5	Evaluation of Precision in Optoacoustic Tomography for Preclinical Imaging in Living Subjects. Journal of Nuclear Medicine, 2017, 58, 807-814.	2.8	64
6	Real time monitoring of aminothiol 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
7	Three-Photon-Excited Luminescence from Unsymmetrical Cyanostilbene Aggregates: Morphology Tuning and Targeted Bioimaging. ACS Nano, 2015, 9, 4796-4805.	7.3	51
8	Oxygen-Enhanced and Dynamic Contrast-Enhanced Optoacoustic Tomography Provide Surrogate Biomarkers of Tumor Vascular Function, Hypoxia, and Necrosis. Cancer Research, 2018, 78, 5980-5991.	0.4	44
9	An Activatable Cancer-Targeted Hydrogen Peroxide Probe for Photoacoustic and Fluorescence Imaging. Cancer Research, 2019, 79, 5407-5417.	0.4	31
10	Fluorescence hyperspectral imaging (fHSI) using a spectrally resolved detector array. Journal of Biophotonics, 2017, 10, 840-853.	1.1	29
11	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
12	Poly(Acrylic Acid)â€Capped and Dyeâ€Loaded Graphene Oxideâ€Mesoporous Silica: A Nanoâ€Sandwich for Twoâ€Photon and Photoacoustic Dualâ€Mode Imaging. Particle and Particle Systems Characterization, 2014, 31, 1060-1066.	1.2	24
13	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
14	Graphene Oxide Wrapping of Goldâ€“Silica Coreâ€“Shell Nanohybrids for Photoacoustic Signal Generation and Bimodal Imaging. ChemNanoMat, 2015, 1, 39-45.	1.5	20
15	Bimodal reflectance and fluorescence multispectral endoscopy based on spectrally resolving detector arrays. Journal of Biomedical Optics, 2018, 24, 1.	1.4	17
16	Quantitative phase and polarization imaging through an optical fiber applied to detection of early esophageal tumorigenesis. Journal of Biomedical Optics, 2019, 24, 1.	1.4	16
17	Distance dependent photoacoustics revealed through DNA nanostructures. Nanoscale, 2017, 9, 16193-16199.	2.8	15
18	Full-field quantitative phase and polarisation-resolved imaging through an optical fibre bundle. Optics Express, 2019, 27, 23929.	1.7	14

#	Article	IF	Citations
19	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
20	A Copolymer-in-Oil Tissue-Mimicking Material With Tuneable Acoustic and Optical Characteristics for Photoacoustic Imaging Phantoms. IEEE Transactions on Medical Imaging, 2021, 40, 3593-3603.	5.4	10
21	First experience in clinical application of hyperspectral endoscopy for evaluation of colonic polyps. Journal of Biophotonics, 2021, 14, e202100078.	1.1	10
22	Technical validation studies of a dual-wavelength LED-based photoacoustic and ultrasound imaging system. Photoacoustics, 2021, 22, 100267.	4.4	9
23	Optoacoustic Imaging Detects Hormone-Related Physiological Changes of Breast Parenchyma. Ultraschall in Der Medizin, 2019, 40, 757-763.	0.8	8
24	High Resolution Optical Imaging of Epithelial and Neuronal Cells. Journal of Medical Imaging and Health Informatics, 2011, 1, 354-359.	0.2	8
25	An active DNA-based nanoprobe for photoacoustic pH imaging. Chemical Communications, 2018, 54, 10176-10178.	2.2	6
26	Single-Pixel Phase-Corrected Fiber Bundle Endomicroscopy With Lensless Focussing Capability. Journal of Lightwave Technology, 2015, 33, 3419-3425.	2.7	5
27	DNAâ€Based Nanocarriers to Enhance the Optoacoustic Contrast of Tumors In Vivo. Advanced Healthcare Materials, 2021, 10, e2001739.	3.9	5
28	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
29	Imaging: Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice (Adv.) Tj ETQq1 1 0.784314 rgBT /Ove	11.1	3
30	A multispectral endoscope based on spectrally resolved detector arrays. Proceedings of SPIE, 2017, , .	0.8	3
31	Multi-modal imaging of high-risk ductal carcinoma in situ of the breast using C2Am: a targeted cell death imaging agent. Breast Cancer Research, 2021, 23, 25.	2.2	3
32	Photoacoustic based surface plasmon resonance spectroscopy: an investigation. , 2011, , .		2
33	Light fluence correction for quantitative determination of tissue absorption coefficient using multi-spectral optoacoustic tomography. , 2015, , .		2
34	Laser-induced photoacoustic spectroscopy investigation of colon phantom tissue. Applied Physics A: Materials Science and Processing, 2010, 101, 567-571.	1.1	1
35	Thermal diffusivity variations in nanoparticle administered phantom tissues â€“ a photoacoustic investigation. EPJ Applied Physics, 2012, 59, 30501.	0.3	1
36	Evaluation of multispectral optoacoustic tomography (MSOT) performance in phantoms and in vivo. , 2015, , .		1

#	Article	IF	Citations
37	Measurement of changes in blood oxygenation using Multispectral Optoacoustic Tomography (MSOT) allows assessment of tumor development. , 2016, , .		1
38	IPASC: a Community-Driven Consensus-Based Initiative Towards Standardisation in Photoacoustic Imaging. , 2020, , .		1
39	International Photoacoustic Standardisation Consortium (IPASC): overview (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5		1
40	Effect of Composition, Dimension and Shape on the Optical Properties of Gold Nanoparticlesâ€"A Theoretical Analysis. Advanced Science, Engineering and Medicine, 2011, 3, 188-196.	0.3	1
41	Calculation of optical properties of nanoparticles for biomedical applications. Proceedings of SPIE, 2011, , .	0.8	0
42	Light fluence correction for quantitative determination of tissue absorption coefficient using multi-spectral optoacoustic tomography. , 2015, , .		0
43	In vivo light fluence correction for determination of tissue absorption coefficient using Multispectral Optoacoustic Tomography. , 2016, , .		0
44	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
45	Quantitative imaging of tumor vasculature using multispectral optoacoustic tomography (MSOT). , 2017, , .		0
46	Engineered contrast agent platforms for enhanced photoacoustic signal and tumor uptake (Conference Presentation). , 2019, , .		0