

Mary Jane Simpson

List of Publications by Year in descending order

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18
papers

480
citations

840776

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h-index

1199594

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19
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19
docs citations

19
times ranked

684
citing authors

#	ARTICLE	IF	CITATIONS
1	Pump-Probe Imaging Differentiates Melanoma from Melanocytic Nevi. <i>Science Translational Medicine</i> , 2011, 3, 71ra15.	12.4	131
2	In vivo and ex vivo epi-mode pump-probe imaging of melanin and microvasculature. <i>Biomedical Optics Express</i> , 2011, 2, 1576.	2.9	76
3	Spatial Localization of Excitons and Charge Carriers in Hybrid Perovskite Thin Films. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3041-3047.	4.6	59
4	Imaging Electronic Trap States in Perovskite Thin Films with Combined Fluorescence and Femtosecond Transient Absorption Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1725-1731.	4.6	48
5	Near-Infrared Excited State Dynamics of Melanins: The Effects of Iron Content, Photo-Damage, Chemical Oxidation, and Aggregate Size. <i>Journal of Physical Chemistry A</i> , 2014, 118, 993-1003.	2.5	38
6	Nonlinear Microscopy of Eumelanin and Pheomelanin with Subcellular Resolution. <i>Journal of Investigative Dermatology</i> , 2013, 133, 1822-1826.	0.7	29
7	Comparing in vivo pump-probe and multiphoton fluorescence microscopy of melanoma and pigmented lesions. <i>Journal of Biomedical Optics</i> , 2014, 20, 051012.	2.6	25
8	Pump-Probe Microscopic Imaging of Jurassic-Aged Eumelanin. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1924-1927.	4.6	21
9	Separating Bulk and Surface Contributions to Electronic Excited-State Processes in Hybrid Mixed Perovskite Thin Films via Multimodal All-Optical Imaging. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3299-3305.	4.6	20
10	Separation of Distinct Photoexcitation Species in Femtosecond Transient Absorption Microscopy. <i>ACS Photonics</i> , 2016, 3, 434-442.	6.6	18
11	Simplification of femtosecond transient absorption microscopy data from CH ₃ NH ₃ PbI ₃ perovskite thin films into decay associated amplitude maps. <i>Nanotechnology</i> , 2016, 27, 114002.	2.6	11
12	Connecting Femtosecond Transient Absorption Microscopy with Spatially Coregistered Time Averaged Optical Imaging Modalities. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3915-3923.	2.5	4
13	Pump-probe Microscopy Captures Cellular Detail of Melanoma In-vivo.. , 2011, , .		0
14	Pump-Probe Melanoma Imaging: Applications to High-Resolution and In-Vivo Microscopy. , 2011, , .		0
15	Pump-Probe Melanoma Imaging: Applications to High-Resolution and In-Vivo Microscopy. , 2011, , .		0
16	Imaging the Distribution of Melanin in Human Skin Lesions with Pump-Probe Microscopy. , 2011, , .		0
17	Pump-Probe Imaging of Melanin Identifies Metastatic Potential of Melanoma. , 2012, , .		0
18	Nonlinear Pump-Probe Techniques for Multi-Contrast Microscopy. , 2013, , .		0