

Eric O Potma

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

630
citations

687363

13
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

964
citing authors

#	ARTICLE	IF	CITATIONS
1	Photo-induced force microscopy (PiFM) – principles and implementations. Chemical Society Reviews, 2022, 51, 4208-4222.	38.1	24
2	Rapid chemically selective 3D imaging in the mid-infrared. Optica, 2021, 8, 995.	9.3	10
3	High-speed 2D and 3D mid-IR imaging with an InGaAs camera. APL Photonics, 2021, 6, 096108.	5.7	5
4	Enhanced adhesion in two-photon polymerization direct laser writing. AIP Advances, 2020, 10, .	1.3	6
5	Nanoscale Excitation Dynamics of Carbon Nanotubes Probed with Photoinduced Force Microscopy. Journal of Physical Chemistry C, 2020, 124, 11694-11700.	3.1	8
6	Toward Chemistry in Real Space and Real Time Preface. Journal of Physical Chemistry C, 2020, 124, 10263-10264.	3.1	0
7	Nonlinear optical microscopy with achromatic lenses extending from the visible to the mid-infrared. APL Photonics, 2019, 4, .	5.7	6
8	Coherent Raman scattering with plasmonic antennas. Nanophotonics, 2019, 8, 991-1021.	6.0	13
9	Nanoscale spectroscopic origins of photoinduced tip-sample force in the midinfrared. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26359-26366.	7.1	29
10	Sensing Biomolecular Interactions by the Luminescence of a Planar Gold Film. Analytical Chemistry, 2019, 91, 15883-15889.	6.5	9
11	Second harmonic generation signal from type I collagen fibers grown in vitro. Biomedical Optics Express, 2019, 10, 6449.	2.9	21
12	Pyroloquinoline quinone prevents developmental programming of microbial dysbiosis and macrophage polarization to attenuate liver fibrosis in offspring of obese mice. Hepatology Communications, 2018, 2, 313-328.	4.3	44
13	Exclusive Magnetic Excitation Enabled by Structured Light Illumination in a Nanoscale Mie Resonator. ACS Nano, 2018, 12, 12159-12168.	14.6	30
14	High-resolution infrared imaging of biological samples with third-order sum-frequency generation microscopy. Biomedical Optics Express, 2018, 9, 4807.	2.9	23
15	Junction Plasmon Driven Population Inversion of Molecular Vibrations: A Picosecond Surface-Enhanced Raman Spectroscopy Study. Nano Letters, 2018, 18, 5791-5796.	9.1	23
16	Particle sensing with confined optical field enhanced fluorescence emission (Cofefe). Optics Express, 2018, 26, 12959.	3.4	2
17	Triple Modal Coherent Nonlinear Imaging with Vibrational Contrast. IEEE Journal of Selected Topics in Quantum Electronics, 2018, , 1-1.	2.9	9
18	Tip-Enhanced Thermal Expansion Force for Nanoscale Chemical Imaging and Spectroscopy in Photoinduced Force Microscopy. Analytical Chemistry, 2018, 90, 11054-11061.	6.5	61

#	ARTICLE	IF	CITATIONS
19	A machine learning framework to analyze hyperspectral stimulated Raman scattering microscopy images of expressed human meibum. Journal of Raman Spectroscopy, 2017, 48, 803-812.	2.5	25
20	Crossing the arterial wall with CARS. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4574-4575.	7.1	5
21	Stimulated Raman Scattering: From Bulk to Nano. Chemical Reviews, 2017, 117, 5070-5094.	47.7	202
22	Eigenmodes of a quartz tuning fork and their application to photoinduced force microscopy. Physical Review B, 2017, 95, .	3.2	24
23	Dyadic Green's function formalism for photoinduced forces in tip-sample nanojunctions. Physical Review B, 2017, 95, .	3.2	20
24	Hyperspectral imaging with laser-scanning sum-frequency generation microscopy. Biomedical Optics Express, 2017, 8, 4230.	2.9	28
25	Optimizing the near-field and far-field properties of tips in tip-enhanced Raman scattering. Journal of Raman Spectroscopy, 0, , .	2.5	3