

# Eric O Potma

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

630  
citations

777949

13  
h-index

721071

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1106  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photo-induced force microscopy (PiFM) – principles and implementations. <i>Chemical Society Reviews</i> , 2022, 51, 4208-4222.	18.7	24
2	Rapid chemically selective 3D imaging in the mid-infrared. <i>Optica</i> , 2021, 8, 995.	4.8	10
3	High-speed 2D and 3D mid-IR imaging with an InGaAs camera. <i>APL Photonics</i> , 2021, 6, 096108.	3.0	5
4	Enhanced adhesion in two-photon polymerization direct laser writing. <i>AIP Advances</i> , 2020, 10, .	0.6	6
5	Nanoscale Excitation Dynamics of Carbon Nanotubes Probed with Photoinduced Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11694-11700.	1.5	8
6	Toward Chemistry in Real Space and Real Time Preface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10263-10264.	1.5	0
7	Nonlinear optical microscopy with achromatic lenses extending from the visible to the mid-infrared. <i>APL Photonics</i> , 2019, 4, .	3.0	6
8	Coherent Raman scattering with plasmonic antennas. <i>Nanophotonics</i> , 2019, 8, 991-1021.	2.9	13
9	Nanoscale spectroscopic origins of photoinduced tip-sample force in the midinfrared. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26359-26366.	3.3	29
10	Sensing Biomolecular Interactions by the Luminescence of a Planar Gold Film. <i>Analytical Chemistry</i> , 2019, 91, 15883-15889.	3.2	9
11	Second harmonic generation signal from type I collagen fibers grown in vitro. <i>Biomedical Optics Express</i> , 2019, 10, 6449.	1.5	21
12	Pyrrroquinoline quinone prevents developmental programming of microbial dysbiosis and macrophage polarization to attenuate liver fibrosis in offspring of obese mice. <i>Hepatology Communications</i> , 2018, 2, 313-328.	2.0	44
13	Exclusive Magnetic Excitation Enabled by Structured Light Illumination in a Nanoscale Mie Resonator. <i>ACS Nano</i> , 2018, 12, 12159-12168.	7.3	30
14	High-resolution infrared imaging of biological samples with third-order sum-frequency generation microscopy. <i>Biomedical Optics Express</i> , 2018, 9, 4807.	1.5	23
15	Junction Plasmon Driven Population Inversion of Molecular Vibrations: A Picosecond Surface-Enhanced Raman Spectroscopy Study. <i>Nano Letters</i> , 2018, 18, 5791-5796.	4.5	23
16	Particle sensing with confined optical field enhanced fluorescence emission (Cofefe). <i>Optics Express</i> , 2018, 26, 12959.	1.7	2
17	Triple Modal Coherent Nonlinear Imaging with Vibrational Contrast. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, , 1-1.	1.9	9
18	Tip-Enhanced Thermal Expansion Force for Nanoscale Chemical Imaging and Spectroscopy in Photoinduced Force Microscopy. <i>Analytical Chemistry</i> , 2018, 90, 11054-11061.	3.2	61

#	ARTICLE	IF	CITATIONS
19	A machine learning framework to analyze hyperspectral stimulated Raman scattering microscopy images of expressed human meibum. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 803-812.	1.2	25
20	Crossing the arterial wall with CARS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4574-4575.	3.3	5
21	Stimulated Raman Scattering: From Bulk to Nano. <i>Chemical Reviews</i> , 2017, 117, 5070-5094.	23.0	202
22	Eigenmodes of a quartz tuning fork and their application to photoinduced force microscopy. <i>Physical Review B</i> , 2017, 95, .	1.1	24
23	Dyadic Green's function formalism for photoinduced forces in tip-sample nanojunctions. <i>Physical Review B</i> , 2017, 95, .	1.1	20
24	Hyperspectral imaging with laser-scanning sum-frequency generation microscopy. <i>Biomedical Optics Express</i> , 2017, 8, 4230.	1.5	28
25	Optimizing the near-field and far-field properties of tips in tip-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 0, , .	1.2	3