

Michael Mattei

List of Publications by Year in descending order

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14
papers

1,065
citations

1040056

9
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

1773
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Molecule Chemistry with Surface- and Tip-Enhanced Raman Spectroscopy. <i>Chemical Reviews</i> , 2017, 117, 7583-7613.	47.7	519
2	Probing Redox Reactions at the Nanoscale with Electrochemical Tip-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2015, 15, 7956-7962.	9.1	193
3	Investigating Nanoscale Electrochemistry with Surface- and Tip-Enhanced Raman Spectroscopy. <i>Accounts of Chemical Research</i> , 2016, 49, 2023-2030.	15.6	101
4	Tip-Enhanced Raman Voltammetry: Coverage Dependence and Quantitative Modeling. <i>Nano Letters</i> , 2017, 17, 590-596.	9.1	74
5	<i>In Situ</i> Nanoscale Redox Mapping Using Tip-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2019, 19, 2106-2113.	9.1	56
6	Investigation of Cobalt Phthalocyanine at the Solid/Liquid Interface by Electrochemical Tip-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9852-9859.	3.1	37
7	Tip-Enhanced Raman Excitation Spectroscopy (TERES): Direct Spectral Characterization of the Gap-Mode Plasmon. <i>Nano Letters</i> , 2019, 19, 7309-7316.	9.1	31
8	Using a Fabry-Pérot Cavity to Augment the Enhancement Factor for Surface-Enhanced Raman Spectroscopy and Tip-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14865-14871.	3.1	17
9	Extended Range of Dipole-Dipole Interactions in Periodically Structured Photonic Media. <i>Physical Review Letters</i> , 2019, 123, 173901.	7.8	17
10	Measurement of Swelling of Individual Smectite Tactoids <i>in situ</i> using Atomic Force Microscopy. <i>Clays and Clay Minerals</i> , 2017, 65, 92-103.	1.3	6
11	Three-Dimensional Printed Planar Polymer Photonic Topological Insulator Waveguides and Their Robustness to Lattice Defects. <i>ACS Photonics</i> , 2022, 9, 1793-1802.	6.6	5
12	Compounding a High-Permittivity Thermoplastic Material and Its Applicability in Manufacturing of Microwave Photonic Crystals. <i>Materials</i> , 2022, 15, 2492.	2.9	4
13	Strong and long-range radiative interaction between resonant transitions. <i>Physical Review Research</i> , 2022, 4, .	3.6	2
14	Underwater ultrasonic topological waveguides by metal additive manufacturing. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	2