

Ashish Bhattarai

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

485
citations

687363

13
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

536
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Molecule Imaging of Oxygenation of Cobalt Octaethylporphyrin at the Solution/Solid Interface: Thermodynamics from Microscopy. <i>Journal of the American Chemical Society</i> , 2012, 134, 14897-14904.	13.7	83
2	A Single Molecule Level Study of the Temperature-Dependent Kinetics for the Formation of Metal Porphyrin Monolayers on Au(111) from Solution. <i>Journal of the American Chemical Society</i> , 2014, 136, 2142-2148.	13.7	61
3	Visualizing Electric Fields at Au(111) Step Edges via Tip-Enhanced Raman Scattering. <i>Nano Letters</i> , 2017, 17, 7131-7137.	9.1	44
4	Nanoscale Chemical Reaction Imaging at the Solid-Liquid Interface via TERS. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2817-2822.	4.6	42
5	Tip-Enhanced Raman Nanographs of Plasmonic Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27765-27769.	3.1	33
6	Tip-Enhanced Raman Scattering from Nanopatterned Graphene and Graphene Oxide. <i>Nano Letters</i> , 2018, 18, 4029-4033.	9.1	32
7	Desorption Kinetics and Activation Energy for Cobalt Octaethylporphyrin from Graphite at the Phenyloctane Solution-Graphite Interface: An STM Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9386-9394.	3.1	26
8	Imaging the Optical Fields of Functionalized Silver Nanowires through Molecular TERS. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 7105-7109.	4.6	26
9	Tip-Enhanced Raman Nanospectroscopy of Smooth Spherical Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1795-1801.	4.6	25
10	A Closer Look at Corrugated Au Tips. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1915-1920.	4.6	20
11	Taking the Plunge: Nanoscale Chemical Imaging of Functionalized Gold Triangles in H ₂ O via TERS. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7376-7380.	3.1	19
12	Influence of the Central Metal Ion on the Desorption Kinetics of a Porphyrin from the Solution/HOPG Interface. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18140-18150.	3.1	18
13	Spatio-Spectral Characterization of Multipolar Plasmonic Modes of Au Nanorods via Tip-Enhanced Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2870-2874.	4.6	18
14	Gauging Molecular Orientation through Time Domain Simulations of Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry A</i> , 2019, 123, 7142-7147.	2.5	11
15	Time Domain Simulations of Single Molecule Raman Scattering. <i>Journal of Physical Chemistry A</i> , 2018, 122, 7437-7442.	2.5	10
16	Simplified Ab Initio Molecular Dynamics-Based Raman Spectral Simulations. <i>Applied Spectroscopy</i> , 2020, 74, 1350-1357.	2.2	7
17	Comparable Enhancement of TERS Signals from WSe ₂ on Chromium and Gold. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8971-8977.	3.1	5
18	Power-Dependent Dual Analyte Tip-Enhanced Raman Spectral Imaging. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15454-15459.	3.1	4

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19	Comparable Enhancement of TERS Signals from WSe on Chromium and Gold. Journal of Physical Chemistry C, 2020, 124, .	3.1	1