

V Ara Apkarian

List of Publications by Year in descending order

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30
papers

1,175
citations

535685

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all docs

30
docs citations

30
times ranked

1743
citing authors

#	ARTICLE	IF	CITATIONS
1	Active Plasmonics and Active Chiral Plasmonics through Orientation-Dependent Multipolar Interactions. ACS Nano, 2020, 14, 11518-11532.	7.3	15
2	The Raman Spectrum of a Single Molecule on an Electrochemically Etched Silver Tip. Applied Spectroscopy, 2020, 74, 1414-1422.	1.2	3
3	Toward Chemistry in Real Space and Real Time Preface. Journal of Physical Chemistry C, 2020, 124, 10263-10264.	1.5	0
4	Efficient Plasmon-Mediated Energy Funneling to the Surface of Au@Pt Core-Shell Nanocrystals. ACS Nano, 2020, 14, 5061-5074.	7.3	64
5	Chemically Selective Imaging of Individual Bonds through Scanning Electron Energy-Loss Spectroscopy: Disulfide Bridges Linking Gold Nanoclusters. Journal of Physical Chemistry Letters, 2020, 11, 796-799.	2.1	3
6	Ion-Selective, Atom-Resolved Imaging of a 2D Cu ₂ N Insulator: Field and Current Driven Tip-Enhanced Raman Spectromicroscopy Using a Molecule-Terminated Tip. ACS Nano, 2019, 13, 6363-6371.	7.3	25
7	Visualizing vibrational normal modes of a single molecule with atomically confined light. Nature, 2019, 568, 78-82.	13.7	371
8	Bias-Dependent Chemical Enhancement and Nonclassical Stark Effect in Tip-Enhanced Raman Spectromicroscopy of CO-Terminated Ag Tips. Journal of Physical Chemistry Letters, 2018, 9, 3074-3080.	2.1	32
9	Microscopy with a single-molecule scanning electrometer. Science Advances, 2018, 4, eaat5472.	4.7	40
10	Junction Plasmon Driven Population Inversion of Molecular Vibrations: A Picosecond Surface-Enhanced Raman Spectroscopy Study. Nano Letters, 2018, 18, 5791-5796.	4.5	23
11	Photoinduced Plasmon-Driven Chemistry in <i>trans</i> -1,2-Bis(4-pyridyl)ethylene Gold Nanosphere Oligomers. Journal of the American Chemical Society, 2018, 140, 10583-10592.	6.6	42
12	Ultrafast Microscopy of Spin-Momentum-Locked Surface Plasmon Polaritons. ACS Nano, 2018, 12, 6588-6596.	7.3	36
13	Tip-Enhanced Raman Spectromicroscopy on the Angstrom Scale: Bare and CO-Terminated Ag Tips. ACS Nano, 2017, 11, 11393-11401.	7.3	75
14	Tip-Enhanced Raman Spectromicroscopy of Co(II)-Tetraphenylporphyrin on Au(111): Toward the Chemists'™ Microscope. ACS Nano, 2017, 11, 11466-11474.	7.3	63
15	A theoretical simulation of the resonant Raman spectroscopy of the H ₂ O⋅Cl ₂ and H ₂ O⋅Br ₂ halogen-bonded complexes. Journal of Chemical Physics, 2016, 144, 054307.	1.2	4
16	Ultrafast Coherent Raman Scattering at Plasmonic Nanojunctions. Journal of Physical Chemistry C, 2016, 120, 20943-20953.	1.5	42
17	Orientation-Dependent Handedness of Chiral Plasmons on Nanosphere Dimers: How to Turn a Right Hand into a Left Hand. ACS Photonics, 2016, 3, 2482-2489.	3.2	18
18	Hovering and Twirling of Tethered Molecules by Confinement between Surfaces. Journal of Physical Chemistry Letters, 2016, 7, 2461-2464.	2.1	3

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19	Quantum tomography of a molecular bond in ice. <i>Journal of Chemical Physics</i> , 2013, 139, 034201.	1.2	7
20	Raman Scattering at Plasmonic Junctions Shorted by Conductive Molecular Bridges. <i>Nano Letters</i> , 2013, 13, 1858-1861.	4.5	62
21	Nonlinear femtosecond laser induced scanning tunneling microscopy. <i>Journal of Chemical Physics</i> , 2013, 138, 154202.	1.2	17
22	Dynamics Behind the Long-Lived Coherences of I_{2} in Solid Xe. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4884-4897.	1.1	2
23	Note: Automated electrochemical etching and polishing of silver scanning tunneling microscope tips. <i>Review of Scientific Instruments</i> , 2013, 84, 096109.	0.6	18
24	Spectroscopic Signatures of Halogens in Clathrate Hydrate Cages. 1. Bromine. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13792-13798.	1.1	50
25	CHEMISTRY: A Pixellated Window on Chemistry in Solids. <i>Science</i> , 2006, 313, 1747-1748.	6.0	2
26	Quantum logic gates in iodine vapor using time-resolved frequency resolved coherent anti-Stokes Raman scattering: a theoretical study. <i>Molecular Physics</i> , 2006, 104, 1249-1266.	0.8	12
27	An implementation of the Deutsch-Jozsa algorithm on molecular vibronic coherences through four-wave mixing: a theoretical study. <i>Chemical Physics Letters</i> , 2002, 360, 459-465.	1.2	29
28	The manipulation of massive ro-vibronic superpositions using time-resolved frequency-resolved coherent anti-Stokes Raman scattering (TFRCARS): from quantum control to quantum computing. <i>Chemical Physics</i> , 2001, 266, 323-351.	0.9	59
29	Time resolved coherent anti-Stokes Raman scattering of I_2 isolated in matrix argon: Vibrational dynamics on the ground electronic state. <i>Journal of Chemical Physics</i> , 2001, 114, 4131-4140.	1.2	51
30	Two-Color Charge Transfer Transitions as a Probe of Electronic Relaxation and Photodissociation Dynamics at High Densities: Molecular Halogens in Xenon. <i>Israel Journal of Chemistry</i> , 1990, 30, 135-146.	1.0	7