

Silvia P Centeno

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4884734/publications.pdf>

Version: 2024-02-01

29
papers

792
citations

471509

17
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

1079
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicolor Mechanofluorophores for the Quantitative Detection of Covalent Bond Scission in Polymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13287-13293.	13.8	43
2	Mehrfarbige Mechanofluorophore für die quantitative Anzeige kovalenter Bindungsbrüche in Polymeren. <i>Angewandte Chemie</i> , 2021, 133, 13398-13404.	2.0	7
3	Tailoring the Properties of Optical Force Probes for Polymer Mechanochemistry. <i>Chemistry - A European Journal</i> , 2021, 27, 15889-15897.	3.3	35
4	Tailoring the Properties of Optical Force Probes for Polymer Mechanochemistry. <i>Chemistry - A European Journal</i> , 2021, 27, 15827-15828.	3.3	12
5	Frontispiece: Tailoring the Properties of Optical Force Probes for Polymer Mechanochemistry. <i>Chemistry - A European Journal</i> , 2021, 27, .	3.3	1
6	Microgel PAINT – nanoscopic polarity imaging of adaptive microgels without covalent labelling. <i>Chemical Science</i> , 2019, 10, 10336-10342.	7.4	22
7	Droplet-Assisted Microfluidic Fabrication and Characterization of Multifunctional Polysaccharide Microgels Formed by Multicomponent Reactions. <i>Polymers</i> , 2018, 10, 1055.	4.5	32
8	Analysis of the Potential Dependent Surface-Enhanced Raman Scattering of <i>p</i> -Aminothiophenol on the Basis of MS-CASPT2 Calculations. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19322-19328.	3.1	18
9	On the dual character of charged metal–molecule hybrids and the opposite behaviour of the forward and reverse CT processes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22958-22961.	2.8	11
10	Huge Energy Gain in Metal-to-Molecule Charge Transfer Processes: A Combined Effect of an Electrical Capacitive Enhancement in Nanometer-Size Hot Spots and the Electronic Structure of the Surface Complex. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2718-2725.	3.1	14
11	Franck-Condon Dominates the Surface-Enhanced Raman Scattering of 3-Methylpyridine: Propensity Rules of the Charge-Transfer Mechanism under Reduced Symmetry. <i>Journal of Physical Chemistry C</i> , 2012, 116, 23639-23645.	3.1	39
12	Mapping of Surface-Enhanced Fluorescence on Metal Nanoparticles using Super-Resolution Photoactivation Localization Microscopy. <i>ChemPhysChem</i> , 2012, 13, 973-981.	2.1	62
13	Subdiffraction Limited, Remote Excitation of Surface Enhanced Raman Scattering. <i>Nano Letters</i> , 2009, 9, 995-1001.	9.1	136
14	Growth and characterization of the ZnO/ZnS bilayer obtained by chemical spray pyrolysis. <i>Applied Surface Science</i> , 2008, 255, 2118-2124.	6.1	6
15	Control of Surface Plasmon Localization via Self-Assembly of Silver Nanoparticles along Silver Nanowires. <i>Journal of the American Chemical Society</i> , 2008, 130, 17240-17241.	13.7	61
16	Raman spectroscopic study of a genetically altered kidney cell. , 2008, , .		1
17	Assignment of the vibrational spectrum of trimethylpyrazine. <i>Journal of Molecular Structure</i> , 2007, 834-836, 567-571.	3.6	1
18	Selection Rules of the Charge Transfer Mechanism of Surface-Enhanced Raman Scattering: The Effect of the Adsorption on the Relative Intensities of Pyrimidine Bonded to Silver Nanoclusters. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14916-14922.	2.6	57

#	ARTICLE	IF	CITATIONS
19	Scaled quantum mechanical force field of dimethylpyrazines: vibrational assignments. <i>Journal of Molecular Structure</i> , 2005, 744-747, 289-293.	3.6	5
20	Resonant charge transfer on the nanoscale: studying doublet states of adsorbates by surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 515-521.	2.5	44
21	Surface-enhanced Raman scattering of 2,3-dimethylpyrazine adsorbed on silver electrode: selective enhancement explained through the charge transfer mechanism. <i>Vibrational Spectroscopy</i> , 2004, 35, 39-44.	2.2	12
22	Adsorption of mercaptoacetic acid on a colloidal silver surface as investigated by Raman spectroscopy. <i>Biopolymers</i> , 2004, 74, 141-145.	2.4	20
23	Photoinduced charge transfer processes in the surface-enhanced Raman scattering of 2,4,6-trimethylpyridine recorded on silver electrode. <i>Chemical Physics Letters</i> , 2003, 377, 111-118.	2.6	8
24	DFT and CASPT2 study of two thermal reactions of nitromethane: C-N bond cleavage and nitro-to-nitrite isomerization. An example of the inverse symmetry breaking deficiency in density functional calculations of an homolytic dissociation. <i>Computational and Theoretical Chemistry</i> , 2003, 630, 17-23.	1.5	32
25	Surface Orientation of Pyrazine Adsorbed on Silver from the Surface-Enhanced Raman Scattering Recorded at Different Electrode Potentials. <i>Langmuir</i> , 2002, 18, 3100-3104.	3.5	38
26	How a resonant charge transfer mechanism determines the relative intensities in the SERS spectra of 4-methylpyridine. <i>Vibrational Spectroscopy</i> , 2002, 29, 147-154.	2.2	23
27	Evidences for the contribution of a resonant charge transfer process to the surface-enhanced Raman scattering of 2,6-dimethylpyridine. <i>Surface Science</i> , 2002, 511, 163-170.	1.9	18
28	Selection rules for the charge transfer enhancement mechanism in SERS: dependence of the intensities on the L-matrix. <i>Journal of Molecular Structure</i> , 2001, 565-566, 369-372.	3.6	20
29	A method to improve the agreement between calculated and observed vibrational frequencies after scaling of a quantum mechanical force field. <i>Journal of Chemical Physics</i> , 2000, 113, 8472-8477.	3.0	14