

Bhavya Sharma

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

3,545
citations

471371

17
h-index

752573

20
g-index

21
all docs

21
docs citations

21
times ranked

5689
citing authors

#	ARTICLE	IF	CITATIONS
1	SERS: Materials, applications, and the future. <i>Materials Today</i> , 2012, 15, 16-25.	8.3	1,914
2	Structure Enhancement Factor Relationships in Single Gold Nanoantennas by Surface-Enhanced Raman Excitation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2013, 135, 301-308.	6.6	299
3	High-performance SERS substrates: Advances and challenges. <i>MRS Bulletin</i> , 2013, 38, 615-624.	1.7	267
4	Surface-Enhanced Raman Spectroscopy Biosensing: <i>In Vivo</i> Diagnostics and Multimodal Imaging. <i>Analytical Chemistry</i> , 2016, 88, 6638-6647.	3.2	190
5	Molecular plasmonics for nanoscale spectroscopy. <i>Chemical Society Reviews</i> , 2014, 43, 1230-1247.	18.7	178
6	Single nanoparticle plasmonics. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4110.	1.3	172
7	In Vitro and In Vivo SERS Biosensing for Disease Diagnosis. <i>Biosensors</i> , 2018, 8, 46.	2.3	113
8	Seeing through Bone with Surface-Enhanced Spatially Offset Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2013, 135, 17290-17293.	6.6	92
9	Multi-metal, Multi-wavelength Surface-Enhanced Raman Spectroscopy Detection of Neurotransmitters. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1380-1387.	1.7	72
10	Surface Enhanced Spatially Offset Raman Spectroscopy Detection of Neurochemicals Through the Skull. <i>Analytical Chemistry</i> , 2017, 89, 5688-5692.	3.2	43
11	Surface-enhanced spatially-offset Raman spectroscopy (SESORS) for detection of neurochemicals through the skull at physiologically relevant concentrations. <i>Analyst, The</i> , 2020, 145, 1885-1893.	1.7	34
12	Integrin β_2 and Extracellular Signal-regulated Kinase Are Functionally Linked in Highly Malignant Autocrine Transforming Growth Factor- β -driven Colon Cancer Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 19861-19869.	1.6	29
13	Direct Surface Enhanced Raman Spectroscopic Detection of Cortisol at Physiological Concentrations. <i>Analytical Chemistry</i> , 2020, 92, 2052-2057.	3.2	29
14	Autocrine Transforming Growth Factor β Regulates Cell Adhesion by Multiple Signaling via Specific Phosphorylation Sites of p70S6 Kinase in Colon Cancer Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 47379-47390.	1.6	23
15	UV Resonance Raman Investigation of Electronic Transitions in β -Helical and Polyproline II-Like Conformations. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11762-11769.	1.2	23
16	High-Throughput, High-Resolution Echelle Deep-UV Raman Spectrometer. <i>Applied Spectroscopy</i> , 2013, 67, 873-883.	1.2	20
17	Raman spectroscopy and neuroscience: from fundamental understanding to disease diagnostics and imaging. <i>Analyst, The</i> , 2020, 145, 3461-3480.	1.7	20
18	UV Resonance Raman Investigation of the Conformations and Lowest Energy Allowed Electronic Excited States of Tri- and Tetraalanine: Charge Transfer Transitions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6661-6668.	1.2	14

#	ARTICLE	IF	CITATIONS
19	UV Resonance Raman Finds Peptide Bond π -Arg Side Chain Electronic Interactions. Journal of Physical Chemistry B, 2011, 115, 5659-5664.	1.2	7
20	UV Resonance Raman Studies of the NaClO ₄ Dependence of Poly-L-lysine Conformation and Hydrogen Exchange Kinetics. Journal of Physical Chemistry B, 2012, 116, 1134-1142.	1.2	6
21	Non-destructive raman spectroscopic determination of freshwater mollusk composition, growth, and damage repair. Analyst, The, 2021, 146, 6288-6296.	1.7	0