

Kamalesh Chaudhari

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21 papers	1,117 citations	12 h-index	21 g-index
21 ext. papers	1,208 ext. citations	5.7 avg, IF	4.3 L-index

#	Paper	IF	Citations
21	Toward Vibrational Tomography of Citrate on Dynamically Changing Individual Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 3553-3566	3.8	2
20	Near-Infrared Chiral Plasmonic Microwires through Precision Assembly of Gold Nanorods on Soft Biotemplates. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 3256-3267	3.8	5
19	Probing Subtle Changes in Molecular Orientations Using Ambient Electrospray Deposition Raman Spectroscopy (AESD RS). <i>Journal of Physical Chemistry C</i> , 2020 , 124, 16644-16651	3.8	3
18	Smartphone-based Fluoride-specific Sensor for Rapid and Affordable Colorimetric Detection and Precise Quantification at Sub-ppm Levels for Field Applications. <i>ACS Omega</i> , 2020 , 5, 25253-25263	3.9	14
17	Metal-Ion-Induced Luminescence Enhancement in Protein Protected Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 28969-28976	3.8	11
16	Appearance of SERS activity in single silver nanoparticles by laser-induced reshaping. <i>Nanoscale</i> , 2018 , 11, 321-330	7.7	13
15	Principles and applications of medical nanotechnology devices 2018 , 275-301		1
14	In vitro colocalization of plasmonic nano-biolabels and biomolecules using plasmonic and Raman scattering microspectroscopy. <i>Journal of Biomedical Optics</i> , 2015 , 20, 046011	3.5	7
13	Initial Growth Kinetics of Luminescent Quantum Clusters of Silver within Albumin Family Protein Templates. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 9988-9994	3.8	4
12	Spatiotemporal mapping of three dimensional rotational dynamics of single ultrasmall gold nanorods. <i>Scientific Reports</i> , 2014 , 4, 5948	4.9	21
11	Optical rotation by plasmonic circular dichroism of isolated gold nanorod aggregates. <i>Applied Physics Letters</i> , 2014 , 105, 203105	3.4	4
10	Single-Cell Investigations of Silver NanoparticleBacteria Interactions. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 1056-1062	3.1	38
9	Protein-encapsulated gold cluster aggregates: the case of lysozyme. <i>Nanoscale</i> , 2013 , 5, 2009-16	7.7	73
8	Unprecedented inhibition of tubulin polymerization directed by gold nanoparticles inducing cell cycle arrest and apoptosis. <i>Nanoscale</i> , 2013 , 5, 4476-89	7.7	83
7	Nanotoxicity: Single-Cell Investigations of Silver NanoparticleBacteria Interactions (Part. Part. Syst. Charact. 12/2013). <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 1000-1000	3.1	
6	Biopolymer-reinforced synthetic granular nanocomposites for affordable point-of-use water purification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 8459-64	11.5	113
5	Protein-protected luminescent noble metal quantum clusters: an emerging trend in atomic cluster nanoscience. <i>Nano Reviews</i> , 2012 , 3,		158

4	Real time plasmonic spectroscopy of the interaction of Hg ²⁺ with single noble metal nanoparticles. <i>RSC Advances</i> , 2012 , 2, 10048	3.7	20
3	Luminescent, bimetallic AuAg alloy quantum clusters in protein templates. <i>Nanoscale</i> , 2012 , 4, 4255-62	7.7	106
2	Understanding the evolution of luminescent gold quantum clusters in protein templates. <i>ACS Nano</i> , 2011 , 5, 8816-27	16.7	203
1	Luminescent quantum clusters of gold in transferrin family protein, lactoferrin exhibiting FRET. <i>Nanoscale</i> , 2010 , 2, 2769-76	7.7	238