Kamalesh Chaudhari

List of Publications by Citations

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	Luminescent quantum clusters of gold in transferrin family protein, lactoferrin exhibiting FRET. *Nanoscale*, **2010**, 2, 2769-76	7.7	238
20	Understanding the evolution of luminescent gold quantum clusters in protein templates. *ACS Nano*, **2011**, 5, 8816-27	16.7	203
19	Protein-protected luminescent noble metal quantum clusters: an emerging trend in atomic cluster nanoscience. *Nano Reviews*, **2012**, 3,		158
18	Biopolymer-reinforced synthetic granular nanocomposites for affordable point-of-use water purification. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 8459-64	11.5	113
17	Luminescent, bimetallic AuAg alloy quantum clusters in protein templates. *Nanoscale*, **2012**, 4, 4255-62	7.7	106
16	Unprecedented inhibition of tubulin polymerization directed by gold nanoparticles inducing cell cycle arrest and apoptosis. *Nanoscale*, **2013**, 5, 4476-89	7.7	83
15	Protein-encapsulated gold cluster aggregates: the case of lysozyme. *Nanoscale*, **2013**, 5, 2009-16	7.7	73
14	Single-Cell Investigations of Silver Nanoparticle–Bacteria Interactions. *Particle and Particle Systems Characterization*, **2013**, 30, 1056-1062	3.1	38
13	Spatiotemporal mapping of three dimensional rotational dynamics of single ultrasmall gold nanorods. *Scientific Reports*, **2014**, 4, 5948	4.9	21
12	Real time plasmonic spectroscopy of the interaction of Hg2+ with single noble metal nanoparticles. *RSC Advances*, **2012**, 2, 10048	3.7	20
11	Smartphone-based Fluoride-specific Sensor for Rapid and Affordable Colorimetric Detection and Precise Quantification at Sub-ppm Levels for Field Applications. *ACS Omega*, **2020**, 5, 25253-25263	3.9	14
10	Appearance of SERS activity in single silver nanoparticles by laser-induced reshaping. *Nanoscale*, **2018**, 11, 321-330	7.7	13
9	Metal-Ion-Induced Luminescence Enhancement in Protein Protected Gold Clusters. *Journal of Physical Chemistry C*, **2019**, 123, 28969-28976	3.8	11
8	In vitro colocalization of plasmonic nano-biolabels and biomolecules using plasmonic and Raman scattering microspectroscopy. *Journal of Biomedical Optics*, **2015**, 20, 046011	3.5	7
7	Near-Infrared Chiral Plasmonic Microwires through Precision Assembly of Gold Nanorods on Soft Biotemplates. *Journal of Physical Chemistry C*, **2021**, 125, 3256-3267	3.8	5
6	Initial Growth Kinetics of Luminescent Quantum Clusters of Silver within Albumin Family Protein Templates. *Journal of Physical Chemistry C*, **2015**, 119, 9988-9994	3.8	4
5	Optical rotation by plasmonic circular dichroism of isolated gold nanorod aggregates. *Applied Physics Letters*, **2014**, 105, 203105	3.4	4

List of Publications

4	Probing Subtle Changes in Molecular Orientations Using Ambient Electrospray Deposition Raman Spectroscopy (AESD RS). *Journal of Physical Chemistry C*, **2020**, 124, 16644-16651	3.8	3
3	Toward Vibrational Tomography of Citrate on Dynamically Changing Individual Silver Nanoparticles. *Journal of Physical Chemistry C*, **2021**, 125, 3553-3566	3.8	2
2	Principles and applications of medical nanotechnology devices **2018**, 275-301		1
1	Nanotoxicity: Single-Cell Investigations of Silver Nanoparticle–Bacteria Interactions (Part. Part. Syst. Charact. 12/2013). *Particle and Particle Systems Characterization*, **2013**, 30, 1000-1000	3.1	