

# Kamalesh Chaudhari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11848200/publications.pdf>

Version: 2024-02-01

21  
papers

1,301  
citations

623734

14  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

2002  
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescent quantum clusters of gold in transferrin family protein, lactoferrin exhibiting FRET. <i>Nanoscale</i> , 2010, 2, 2769.	5.6	252
2	Understanding the Evolution of Luminescent Gold Quantum Clusters in Protein Templates. <i>ACS Nano</i> , 2011, 5, 8816-8827.	14.6	222
3	Protein-protected luminescent noble metal quantum clusters: an emerging trend in atomic cluster nanoscience. <i>Nano Reviews</i> , 2012, 3, 14767.	3.7	176
4	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, 8459-8464.	7.1	122
5	Luminescent, bimetallic AuAg alloy quantum clusters in protein templates. <i>Nanoscale</i> , 2012, 4, 4255.	5.6	119
6	Unprecedented inhibition of tubulin polymerization directed by gold nanoparticles inducing cell cycle arrest and apoptosis. <i>Nanoscale</i> , 2013, 5, 4476.	5.6	95
7	Protein-encapsulated gold cluster aggregates: the case of lysozyme. <i>Nanoscale</i> , 2013, 5, 2009.	5.6	75
8	Single-Cell Investigations of Silver Nanoparticle-Bacteria Interactions. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 1056-1062.	2.3	51
9	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.	3.5	40
10	Spatiotemporal mapping of three dimensional rotational dynamics of single ultrasmall gold nanorods. <i>Scientific Reports</i> , 2014, 4, 5948.	3.3	28
11	Appearance of SERS activity in single silver nanoparticles by laser-induced reshaping. <i>Nanoscale</i> , 2019, 11, 321-330.	5.6	25
12	Real time plasmonic spectroscopy of the interaction of Hg <sup>2+</sup> with single noble metal nanoparticles. <i>RSC Advances</i> , 2012, 2, 10048.	3.6	21
13	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.	3.1	20
14	Metal-Ion-Induced Luminescence Enhancement in Protein Protected Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28969-28976.	3.1	18
15	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.	3.1	11
16	In vitro colocalization of plasmonic nano-biolabels and biomolecules using plasmonic and Raman scattering microspectroscopy. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	2.6	8
17	Toward Vibrational Tomography of Citrate on Dynamically Changing Individual Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3553-3566.	3.1	7
18	Optical rotation by plasmonic circular dichroism of isolated gold nanorod aggregates. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	6

#	ARTICLE	IF	CITATIONS
19	Initial Growth Kinetics of Luminescent Quantum Clusters of Silver within Albumin Family Protein Templates. Journal of Physical Chemistry C, 2015, 119, 9988-9994.	3.1	4
20	Principles and applications of medical nanotechnology devices. , 2018, , 275-301.		1
21	Nanotoxicity: Single-Cell Investigations of Silver Nanoparticle-Bacteria Interactions (Part. Part. Syst.) Tj ETQq1 1 0.784314 rgBT / Ov 2.3	2.3	0