

# ChaoLing Du

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

671  
citations

758635

12  
h-index

580395

25  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman Mapping Investigation of Graphene on Transparent Flexible Substrate: The Strain Effect. Journal of Physical Chemistry C, 2008, 112, 12602-12605.	1.5	260
2	Tip-enhanced Raman spectroscopy using single-crystalline Ag nanowire as tip. Journal of Raman Spectroscopy, 2010, 41, 1156-1162.	1.2	42
3	Site-selective localization of analytes on gold nanorod surface for investigating field enhancement distribution in surface-enhanced Raman scattering. Nanoscale, 2011, 3, 1575.	2.8	39
4	Enhancement of Raman scattering by individual dielectric microspheres. Journal of Raman Spectroscopy, 2011, 42, 145-148.	1.2	38
5	Using silver nanowire antennas to enhance the conversion efficiency of photoresponsive DNA nanomotors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9331-9336.	3.3	33
6	Surface-Enhanced Raman Scattering from Individual Au Nanoparticles on Au Films. Plasmonics, 2012, 7, 475-478.	1.8	21
7	Polymer-encapsulated silver nanoparticle monomer and dimer for surface-enhanced Raman scattering. Chemical Physics Letters, 2009, 473, 317-320.	1.2	18
8	Optimal geometry parameter for plasmonic sensitivities of individual Au nanoparticle sensors. Physical Chemistry Chemical Physics, 2019, 21, 7654-7660.	1.3	16
9	Improved optical properties of perovskite solar cells by introducing Ag nanopartices and ITO AR layers. Scientific Reports, 2021, 11, 14550.	1.6	16
10	Polarization-Dependent Confocal Imaging of Individual Ag Nanorods and Nanoparticles. Plasmonics, 2009, 4, 217-222.	1.8	13
11	Individual Ag Nanowire Dimer for Surface-Enhanced Raman Scattering. Plasmonics, 2011, 6, 761-766.	1.8	13
12	Refractive index sensitivities of plane Ag nanosphere cluster sensors. Sensors and Actuators B: Chemical, 2015, 215, 142-145.	4.0	13
13	Enhanced RI Sensitivity and SERS Performances of Individual Au Nanobipyramid Dimers. Plasmonics, 2021, 16, 485-491.	1.8	12
14	Numerically investigating the enhanced Raman scattering performance of individual Ag nanowire tips. Applied Optics, 2011, 50, 4922.	2.1	11
15	Confocal white light reflection imaging for characterization of metal nanostructures. Optics Communications, 2008, 281, 5360-5363.	1.0	10
16	Effect of near-field coupling on far-field inelastic scattering imaging of gold nanoparticles. Nanotechnology, 2008, 19, 395705.	1.3	10
17	Near-field Coupling Effect between Individual Au Nanospheres and their Supporting SiO <sub>2</sub> /Si Substrate. Plasmonics, 2010, 5, 105-109.	1.8	9
18	Linear or quadratic plasmon peak sensitivities for individual Au/Ag nanosphere sensors. Sensors and Actuators B: Chemical, 2014, 203, 812-816.	4.0	9

#	ARTICLE	IF	CITATIONS
19	Plasmon Peak Sensitivity Investigation of Individual Cu and Cu@Cu <sub>2</sub> O Core-Shell Nanoparticle Sensors. <i>Plasmonics</i> , 2016, 11, 1197-1200.	1.8	9
20	Raman mapping probing of tip-induced anomalous polarization behavior in V <sub>2</sub> O <sub>5</sub> waveguiding nanoribbons. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	8
21	Optimal Aspect Ratio and Excitation Spectral Region of LSPR Sensors Using Individual Au Dimmeric Nanoplates. <i>Plasmonics</i> , 2020, 15, 949-955.	1.8	8
22	Numerical investigation of plasmon sensitivity and surface-enhanced Raman scattering enhancement of individual TiN nanosphere multimers. <i>Nanotechnology</i> , 2020, 31, 135210.	1.3	8
23	Plasmon nanoparticle effect to improve optical properties of perovskite thin film. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2021, 43, 100888.	1.0	8
24	Dielectric Nanocup Coating Effect on the Resonant Optical Properties of Individual Au Nanosphere. <i>Plasmonics</i> , 2013, 8, 1523-1527.	1.8	6
25	Geometry and near-field coupling effects on the refractive-index sensitivities of individual Ag nanoparticle sensors. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	6
26	Plasmonic properties of individual heterogeneous dimers of Au and In nanospheres. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 391, 127131.	0.9	6
27	Optimal aspect ratio and excitation spectral region of individual Au Ag <sub>1-x</sub> alloy nanobars for plasmonic sensing. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126785.	0.9	5
28	Eccentricity improved plasmon refractive index sensing and SERS performances of Au nano-donuts. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 443, 128217.	0.9	5
29	The cross-section shape-dependent responses of S and FOM of individual Au nanorod sensors. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	4
30	Enhanced photocurrent of perovskite solar cells by a layer of randomly-distributed-Ag-nanospheres. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 414, 127620.	0.9	4
31	Polarized SERS study of an individual Ag nanowire with bulb humps. <i>Optics Communications</i> , 2011, 284, 5844-5846.	1.0	3
32	Plasmonic Coupling Effects on the Refractive Index Sensitivities of Plane Au-Nanosphere-Cluster Sensors. <i>Plasmonics</i> , 2018, 13, 1729-1734.	1.8	3
33	Nano-thick-dielectric encapsulation effects on the refractive index sensitivities of Ag plane-nanosphere-cluster sensors. <i>Modern Physics Letters B</i> , 2018, 32, 1850080.	1.0	1
34	Enhanced refractive index sensitivity and SERS performances of individual body-Ag-nanoshell-encapsulated Au nanorods. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	1
35	Optical optimization of ultra-thin crystalline silicon solar cells by a co-simulation approach of FEM and GA. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	1
36	Individual Split Au Square Nanorings for Surface-Enhanced Raman and Hyper-Raman Scattering. <i>Plasmonics</i> , 0, , 1.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Application of ultraviolet-visible spectroscopy coupled with support vector regression for the quantitative detection of thiamethoxam in tea. Applied Optics, 2022, 61, 6186.	0.9	1
38	Raman mapping probing of V&lt;inf&gt;2&lt;/inf&gt;O&lt;inf&gt;5&lt;/inf&gt; waveguiding nanoribbons. , 2010, , .		0