

Ming Chen

List of Publications by Year in descending order

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48
papers

847
citations

471509

17
h-index

526287

27
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48
all docs

48
docs citations

48
times ranked

1008
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Heterostructure as a Platform for Surface-Enhanced Raman Scattering. <i>Nano Letters</i> , 2017, 17, 2621-2626.	9.1	126
2	Enhanced Raman Scattering of CuPc Films on Imperfect WSe ₂ Monolayer Correlated to Exciton and Charge Transfer Resonances. <i>Advanced Functional Materials</i> , 2018, 28, 1805710.	14.9	56
3	Photochemical synthesis of ZnO@Au nanorods as an advanced reusable SERS substrate for ultrasensitive detection of light-resistant organic pollutant in wastewater. <i>Talanta</i> , 2019, 194, 680-688.	5.5	47
4	Boron nitride/gold nanocomposites for crystal violet and creatinine detection by surface-enhanced Raman spectroscopy. <i>Applied Surface Science</i> , 2018, 457, 684-694.	6.1	36
5	Cu ₂ O nanocubes grafted highly dense Au nanoparticles with modulated electronic structures for improving peroxidase catalytic performances. <i>Talanta</i> , 2021, 225, 121990.	5.5	36
6	Construction of pure worm-like AuAg nanochains for ultrasensitive SERS detection of pesticide residues on apple surfaces. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 209, 241-247.	3.9	35
7	Laser-induced photochemical synthesis of branched Ag@Au bimetallic nanodendrites as a prominent substrate for surface-enhanced Raman scattering spectroscopy. <i>Optics Express</i> , 2017, 25, 7408.	3.4	34
8	Construction of optimized Au@Ag core-shell nanorods for ultralow SERS detection of antibiotic levofloxacin molecules. <i>Optics Express</i> , 2018, 26, 23347.	3.4	29
9	Ultra-clean PtPd nanoflowers loaded on GO supports with enhanced low-temperature electrocatalytic activity for fuel cells in harsh environment. <i>Applied Surface Science</i> , 2020, 511, 145603.	6.1	28
10	Self-assembled monolayers of bimetallic Au/Ag nanospheres with superior surface-enhanced Raman scattering activity for ultra-sensitive triphenylmethane dyes detection. <i>Optics Letters</i> , 2018, 43, 635.	3.3	25
11	Laser induced fabrication of mono-dispersed Ag ₂ S@Ag nano-particles and their superior adsorption performance for dye removal. <i>Optical Materials Express</i> , 2016, 6, 2573.	3.0	23
12	Aligned TiO ₂ nanorod arrays decorated with closely interconnected Au/Ag nanoparticles: Near-infrared SERS active sensor for monitoring of antibiotic molecules in water. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130848.	7.8	22
13	Enhanced synergistic coupling effect of ternary Au/Ag/AgCl nanochains for promoting natural-solar-driven photocatalysis. <i>Applied Surface Science</i> , 2021, 545, 149054.	6.1	21
14	Ultraviolet laser beam-assisted one-step synthesis of clean PtPd nanoarchitectures with excellent electrocatalytic properties for direct methanol fuel cells. <i>Materials Chemistry and Physics</i> , 2019, 221, 409-418.	4.0	20
15	Modified photochemical strategy to support highly-purity, dense and monodisperse Au nanospheres on graphene oxide for optimizing SERS detection. <i>Talanta</i> , 2020, 209, 120535.	5.5	20
16	Convenient Synthesis of 3D Fluffy PtPd Nanocorals Loaded on 2D h-BN Supports as Highly Efficient and Stable Electrocatalysts for Alcohol Oxidation Reaction. <i>ACS Omega</i> , 2019, 4, 11163-11172.	3.5	19
17	Blue laser-induced photochemical synthesis of CuAg nanoalloys on h-BN supports with enhanced SERS activity for trace-detection of residual pesticides on tomatoes. <i>Journal of Alloys and Compounds</i> , 2020, 825, 153996.	5.5	19
18	Alloyed AuPt nanoframes loaded on h-BN nanosheets as an ingenious ultrasensitive near-infrared photoelectrochemical biosensor for accurate monitoring glucose in human tears. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113490.	10.1	19

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19	Direct synthesis of size-tailored bimetallic Ag/Au nano-spheres and nano-chains with controllable compositions by laser ablation of silver plate in H ₄ AuCl ₄ solution. RSC Advances, 2016, 6, 9549-9553.	3.6	17
20	Controlled synthesis of hollow Ag@Au nano-urchins with unique synergistic effects for ultrasensitive surface-enhanced Raman spectroscopy. Optics Express, 2017, 25, 29389.	3.4	17
21	Temporal and spatial evolution of Si atoms in plasmas produced by a nanosecond laser ablating silicon carbide crystals. Physical Review E, 2009, 80, 016405.	2.1	15
22	Thickness-dependent highly sensitive photodetection behavior of lead-free all-inorganic CsSnBr ₃ nanoplates. Rare Metals, 2022, 41, 1753-1760.	7.1	14
23	Prediction of a Stable Organic Metal-Free Porous Material as a Catalyst for Water-Splitting. Catalysts, 2020, 10, 836.	3.5	13
24	Ultra-small Sn ₂ S ₃ porous nano-particles: an excellent photo-catalyst in the reduction of aqueous Cr(VI) under visible light irradiation. RSC Advances, 2016, 6, 12286-12289.	3.6	12
25	Silk fibroin fibers decorated with urchin-like Au/Ag nanoalloys: a flexible hygrosopic SERS sensor for monitoring of folic acid in human sweat. Optics Express, 2021, 29, 30892.	3.4	12
26	Tunable Grain Boundary of Lead-Free All-Inorganic Perovskite Films for Smart Photodetectors. Advanced Materials Interfaces, 2021, 8, 2101339.	3.7	11
27	Early-stage evolution of the plasma over KTiOPO ₄ samples generated by high-intensity laser radiations. Optics Letters, 2009, 34, 2682.	3.3	10
28	Zinc oxide micro-spheres with faceted surfaces produced by laser ablation of zinc targets. Journal of Applied Physics, 2012, 111, 103108.	2.5	10
29	Laser-induced convenient synthesis of porous Cu ₂ O@CuO nanocomposites with excellent adsorption of methyl blue solution. Optical Materials Express, 2017, 7, 924.	3.0	9
30	Ultraviolet light-induced photochemical reaction for controlled fabrication of Ag nano-islands on ZnO nanosheets: an advanced inexpensive substrate for ultrasensitive surface-enhanced Raman scattering analysis. Optical Materials Express, 2017, 7, 3137.	3.0	9
31	Laser irradiation-induced construction of Pt/Ag bimetallic nanourchins with improved electrocatalytic properties. RSC Advances, 2017, 7, 52165-52171.	3.6	8
32	Graphene oxide-grafted plasmonic Au@Ag nanoalloys with improved synergistic effects for promoting hot carrier-driven photocatalysis under visible light irradiation. Nanotechnology, 2021, 32, 125401.	2.6	8
33	Silk fibroin-decorated with tunable Au/Ag nanodendrites: A plastic near-infrared SERS substrate with periodic microstructures for ultra-sensitive monitoring of lactic acid in human sweat. Vibrational Spectroscopy, 2022, 118, 103330.	2.2	8
34	Laser-induced photochemical synthesis of fibrous-shaped CuO@CuS nanoporous structures for enhanced electrostatic adsorption of negatively charged contaminants from wastewater. Optical Materials Express, 2017, 7, 3863.	3.0	7
35	Core-shell Au@Ag nanodendrites supported on TiO ₂ nanowires for blue laser beam-excited SERS-based pH sensing. Optics Express, 2019, 27, 23981.	3.4	7
36	Convenient synthesis of stable silver quantum dots with enhanced photoluminescence emission by laser fragmentation. Chinese Physics B, 2016, 25, 046103.	1.4	6

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37	Design of a thermally stable and highly active SERS optical sensor for the ultrasensitive detection of dye molecules at high-temperature. <i>Optical Materials Express</i> , 2021, 11, 2001.	3.0	6
38	Adsorption and diffusion of gold adatoms on boron nitride nanoribbons: A first-principles study. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	5
39	Laser-induced fabrication of highly branched Au@TiO ₂ nano-dendrites with excellent near-infrared absorption properties. <i>RSC Advances</i> , 2016, 6, 83337-83342.	3.6	5
40	Laser-induced fabrication of single crystal zinc hydroxyl dodecylsulfate nano-sheets with excellent fluorescence emission. <i>RSC Advances</i> , 2015, 5, 63233-63239.	3.6	4
41	An additional electron-phonon coupling enhancement for improving SERS activity by supporting core-shell Au@Ag particles on carbon nanotubes. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	4
42	Synergistic double laser beam-boosted liquid-NIR-SERS for ultralow detection of non-adsorptive polycyclic aromatic hydrocarbons in lake water. <i>Nanophotonics</i> , 2022, .	6.0	4
43	Analysis of plasma profile over KTiOAsO ₄ surface produced by 532 and 1064 nm laser radiations. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	3
44	Synthesis of three-dimensional honeycomb-like Au nanoporous films by laser induced modification and its application for surface enhanced Raman spectroscopy. <i>Optical Materials Express</i> , 2017, 7, 1557.	3.0	3
45	Thin Films: Enhanced Raman Scattering of CuPc Films on Imperfect WSe ₂ Monolayer Correlated to Exciton and Charge-Transfer Resonances (<i>Adv. Funct. Mater.</i> 52/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870369.	14.9	3
46	Polymeric layered semiconductor-supported black nano-sandwiches with synergistic photo-thermal catalysis for efficient wastewater decontamination. <i>Chemical Engineering Journal</i> , 2022, , 136977.	12.7	2
47	The Damage Analysis of Nd:YVO ₄ Crystal Implanted by He ⁺ Ions at Low Energy. , 2012, , .		0
48	Laser-induced modification of dog-bone-like Au nanorods for accurate growth of well-defined cylindrical structures. <i>RSC Advances</i> , 2016, 6, 72107-72114.	3.6	0