Ming Chen

List of Publications by Year
in descending order

48	847	471509 17	526287 27
papers	citations	h-index	g-index

48	48	48	1008
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aligned TiO2 nanorod arrays decorated with closely interconnected Au/Ag nanoparticles:ÂNear-infrared SERS active sensor for monitoring of antibiotic molecules in water. Sensors and Actuators B: Chemical, 2022, 350, 130848.	7.8	22
2	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
3	Thickness-dependent highly sensitive photodetection behavior of lead-free all-inorganic CsSnBr3 nanoplates. Rare Metals, 2022, 41, 1753-1760.	7.1	14
4	Synergistic double laser beam-boosted liquid-NIR-SERS for ultralow detection of non-adsorptive polycyclic aromatic hydrocarbons in lake water. Nanophotonics, 2022, .	6.0	4
5	Polymeric layered semiconductor-supported black nano-sandwiches with synergistic photo-thermal catalysis for efficient wastewater decontamination. Chemical Engineering Journal, 2022, , 136977.	12.7	2
6	Cu2O nanocubesâ€“grafted highly dense Au nanoparticles with modulated electronic structures for improving peroxidase catalytic performances. Talanta, 2021, 225, 121990.	5.5	36
7	Enhanced synergistic coupling effect of ternary Au/Ag/AgCl nanochains for promoting natural-solar-driven photocatalysis. Applied Surface Science, 2021, 545, 149054.	6.1	21
8	Design of a thermally stable and highly active SERS optical sensor for the ultrasensitive detection of dye molecules at high-temperature. Optical Materials Express, 2021, 11, 2001.	3.0	6
9	Silk fibroin fibers decorated with urchin-like Au/Ag nanoalloys: a flexible hygroscopic SERS sensor for monitoring of folic acid in human sweat. Optics Express, 2021, 29, 30892.	3.4	12
10	Alloyed AuPt nanoframes loaded on h-BN nanosheets as an ingenious ultrasensitive near-infrared photoelectrochemical biosensor for accurate monitoring glucose in human tears. Biosensors and Bioelectronics, 2021, 192, 113490.	10.1	19
11	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
12	Tunable Grain Boundary of Leadâ€Free Allâ€Inorganic Perovskite Films for Smart Photodetectors. Advanced Materials Interfaces, 2021, 8, 2101339.	3.7	11
13	Modified photochemical strategy to support highly-purity, dense and monodisperse Au nanospheres on graphene oxide for optimizing SERS detection. Talanta, 2020, 209, 120535.	5.5	20
14	Prediction of a Stable Organic Metal-Free Porous Material as a Catalyst for Water-Splitting. Catalysts, 2020, 10, 836.	3.5	13
15	Ultra-clean PtPd nanoflowers loaded on GO supports with enhanced low-temperature electrocatalytic activity for fuel cells in harsh environment. Applied Surface Science, 2020, 511, 145603.	6.1	28
16	Blue laser-induced photochemical synthesis of CuAg nanoalloys on h-BN supports with enhanced SERS activity for trace-detection of residual pesticides on tomatoes. Journal of Alloys and Compounds, 2020, 825, 153996.	5.5	19
17	Convenient Synthesis of 3D Fluffy PtPd Nanocorals Loaded on 2D h-BN Supports as Highly Efficient and Stable Electrocatalysts for Alcohol Oxidation Reaction. ACS Omega, 2019, 4, 11163-11172.	3.5	19
18	An additional electron-phonon coupling enhancement for improving SERS activity by supporting core-shell Au@Ag particles on carbon nanotubes. Applied Physics Letters, 2019, 115, .	3.3	4

#	Article	IF	Citations
19	Photochemical synthesis of ZnO@Au nanorods as an advanced reusable SERS substrate for ultrasensitive detection of light-resistant organic pollutant in wastewater. Talanta, 2019, 194, 680-688.	5.5	47
20	Construction of pure worm-like AuAg nanochains for ultrasensitive SERS detection of pesticide residues on apple surfaces. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 209, 241-247.	3.9	35
21	Ultraviolet laser beam-assisted one-step synthesis of clean PtPd nanoarchitectures with excellent electrocatalytic properties for direct methanol fuel cells. Materials Chemistry and Physics, 2019, 221, 409-418.	4.0	20
22	Core-shell Au@Ag nanodendrites supported on TiO2 nanowires for blue laser beam-excited SERS-based pH sensing. Optics Express, 2019, 27, 23981.	3.4	7
23	Thin Films: Enhanced Raman Scattering of CuPc Films on Imperfect WSe2 Monolayer Correlated to Exciton and Charge-Transfer Resonances (Adv. Funct. Mater. 52/2018). Advanced Functional Materials, 2018, 28, 1870369.	14.9	3
24	Enhanced Raman Scattering of CuPc Films on Imperfect WSe₂ Monolayer Correlated to Exciton and Chargeâ€Transfer Resonances. Advanced Functional Materials, 2018, 28, 1805710.	14.9	56
25	Construction of optimized Au@Ag core-shell nanorods for ultralow SERS detection of antibiotic levofloxacin molecules. Optics Express, 2018, 26, 23347.	3.4	29
26	Boron nitride/gold nanocomposites for crystal violet and creatinine detection by surface-enhanced Raman spectroscopy. Applied Surface Science, 2018, 457, 684-694.	6.1	36
27	Self-assembled monolayers of bimetallic Au/Ag nanospheres with superior surface-enhanced Raman scattering activity for ultra-sensitive triphenylmethane dyes detection. Optics Letters, 2018, 43, 635.	3.3	25
28	Two-Dimensional Heterostructure as a Platform for Surface-Enhanced Raman Scattering. Nano Letters, 2017, 17, 2621-2626.	9.1	126
29	Laser irradiation-induced construction of Pt/Ag bimetallic nanourchins with improved electrocatalytic properties. RSC Advances, 2017, 7, 52165-52171.	3.6	8
30	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
31	Laser-induced convenient synthesis of porous Cu_2O@CuO nanocomposites with excellent adsorption of methyl blue solution. Optical Materials Express, 2017, 7, 924.	3.0	9
32	Synthesis of three-dimensional honeycomb-like Au nanoporous films by laser induced modification and its application for surface enhanced Raman spectroscopy. Optical Materials Express, 2017, 7, 1557.	3.0	3
33	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
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	Laser-induced photochemical synthesis of branched Ag@Au bimetallic nanodendrites as a prominent substrate for surface-enhanced Raman scattering spectroscopy. Optics Express, 2017, 25, 7408.	3.4	34
36	Direct synthesis of size-tailored bimetallic Ag/Au nano-spheres and nano-chains with controllable compositions by laser ablation of silver plate in HAuCl₄ solution. RSC Advances, 2016, 6, 9549-9553.	3.6	17

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37	Convenient synthesis of stable silver quantum dots with enhanced photoluminescence emission by laser fragmentation. Chinese Physics B, 2016, 25, 046103.	1.4	6
38	Laser-induced fabrication of highly branched Au@TiO₂ nano-dendrites with excellent near-infrared absorption properties. RSC Advances, 2016, 6, 83337-83342.	3.6	5
39	Laser-induced modification of dog-bone-like Au nanorods for accurate growth of well-defined cylindrical structures. RSC Advances, 2016, 6, 72107-72114.	3.6	0
40	Laser induced fabrication of mono-dispersed Ag_2S@Ag nano-particles and their superior adsorption performance for dye removal. Optical Materials Express, 2016, 6, 2573.	3.0	23
41	Ultra-small Sn₂S₃ porous nano-particles: an excellent photo-catalyst in the reduction of aqueous Cr(<scp>vi</scp>) under visible light irradiation. RSC Advances, 2016, 6, 12286-12289.	3.6	12
42	Laser-induced fabrication of single crystal zinc hydroxyl dodecylsulfate nano-sheets with excellent fluorescence emission. RSC Advances, 2015, 5, 63233-63239.	3.6	4
43	Adsorption and diffusion of gold adatoms on boron nitride nanoribbons: A first-principles study. Journal of Applied Physics, 2012, 112, .	2.5	5
44	The Damage Analysis of Nd:YVO4 Crystal Implanted by He+ Ions at Low Energy. , 2012, , .		0
45	Zinc oxide micro-spheres with faceted surfaces produced by laser ablation of zinc targets. Journal of Applied Physics, 2012, 111, 103108.	2.5	10
46	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
47	Early-stage evolution of the plasma over KTiOPO_4 samples generated by high-intensity laser radiations. Optics Letters, 2009, 34, 2682.	3.3	10
48	Analysis of plasma profile over KTiOAsO4 surface produced by 532 and 1064 nm laser radiations. Journal of Applied Physics, 2008, 104, .	2.5	3