Kun Zhang

List of Publications by Year
in descending order

39 papers	923 citations	471477 17 h-index	477281 29 g-index
39 all docs	39 docs citations	39 times ranked	1393 citing authors

#	Article	IF	Citations
1	Multifunctional Paper Strip Based on Self-Assembled Interfacial Plasmonic Nanoparticle Arrays for Sensitive SERS Detection. ACS Applied Materials & Interfaces, 2015, 7, 16767-16774.	8.0	78
2	A three-dimensional silver nanoparticles decorated plasmonic paper strip for SERS detection of low-abundance molecules. Talanta, 2016, 147, 493-500.	5.5	78
3	Interfacial Self-Assembled Functional Nanoparticle Array: A Facile Surface-Enhanced Raman Scattering Sensor for Specific Detection of Trace Analytes. Analytical Chemistry, 2014, 86, 6660-6665.	6.5	62
4	High-Resolution and Universal Visualization of Latent Fingerprints Based on Aptamer-Functionalized Coreâ€“Shell Nanoparticles with Embedded SERS Reporters. ACS Applied Materials & Interfaces, 2016, 8, 14389-14395.	8.0	58
5	Approaching Otolaryngology Patients During the COVIDâ€19ÂPandemic. Otolaryngology - Head and Neck Surgery, 2020, 163, 121-131.	1.9	53
6	Carbon nanotube/gold nanoparticle composite-coated membrane as a facile plasmon-enhanced interface for sensitive SERS sensing. Analyst, The, 2015, 140, 134-139.	3.5	51
7	Highâ€Efficiency and Stable Liâ^'CO₂ Battery Enabled by Carbon Nanotube/Carbon Nitride Heterostructured Photocathode. Angewandte Chemie - International Edition, 2022, 61, .	13.8	51
8	On-demand quantitative SERS bioassays facilitated by surface-tethered ratiometric probes. Chemical Science, 2018, 9, 8089-8093.	7.4	41
9	Quantitative Label-Free and Real-Time Surface-Enhanced Raman Scattering Monitoring of Reaction Kinetics Using Self-Assembled Bifunctional Nanoparticle Arrays. Analytical Chemistry, 2015, 87, 8702-8708.	6.5	34
10	Single Molecule Fluorescent Colocalization of Split Aptamers for Ultrasensitive Detection of Biomolecules. Analytical Chemistry, 2018, 90, 9315-9321.	6.5	33
11	Novel associations between sex hormones and diabetic vascular complications in men and postmenopausal women: a cross-sectional study. Cardiovascular Diabetology, 2019, 18, 97.	6.8	29
12	COVID19: A Systematic Approach to Early Identification and Healthcare Worker Protection. Frontiers in Public Health, 2020, 8, 205.	2.7	28
13	Self-assembled plasmonic nanoarrays for enhanced bacterial identification and discrimination. Biosensors and Bioelectronics, 2022, 197, 113778.	10.1	28
14	Single-Molecule Fluorescence Imaging for Ultrasensitive DNA Methyltransferase Activity Measurement and Inhibitor Screening. Analytical Chemistry, 2019, 91, 9500-9507.	6.5	25
15	The Associations Between Gonadal Hormones and Serum Uric Acid Levels in Men and Postmenopausal Women With Diabetes. Frontiers in Endocrinology, 2020, 11, 55.	3.5	24
16	Three-Dimensional Plasmonic Trap Array for Ultrasensitive Surface-Enhanced Raman Scattering Analysis of Single Cells. Analytical Chemistry, 2018, 90, 10394-10399.	6.5	21
17	Direct SERS tracking of a chemical reaction at a single 13Ânm gold nanoparticle. Chemical Science, 2019, 10, 1741-1745.	7.4	20
18	Sensitive and label-free quantification of cellular biothiols by competitive surface-enhanced Raman spectroscopy. Talanta, 2016, 152, 196-202.	5.5	19

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19	Polydopamine Grafted Porous Graphene as Biocompatible Nanoreactor for Efficient Identification of Membrane Proteins. ACS Applied Materials & Interfaces, 2016, 8, 6363-6370.	8.0	18
20	Follicleâ€stimulating hormone promotes renal tubulointerstitial fibrosis in aging women via the AKT/GSKâ€3Î²/Î²â€catenin pathway. Aging Cell, 2019, 18, e12997.	6.7	18
21	Visceral adiposity and renal function: an observational study from SPECT-China. Lipids in Health and Disease, 2017, 16, 205.	3.0	17
22	In situ ratiometric SERS imaging of intracellular protease activity for subtype discrimination of human breast cancer. Biosensors and Bioelectronics, 2022, 207, 114194.	10.1	17
23	A Rational Designed Bioorthogonal Surface-Enhanced Raman Scattering Nanoprobe for Quantitatively Visualizing Endogenous Hydrogen Sulfide in Single Living Cells. ACS Sensors, 2022, 7, 893-899.	7.8	16
24	Coupling shell-isolated nanoparticle enhanced Raman spectroscopy with paper chromatography for multi-components on-site analysis. Talanta, 2017, 162, 52-56.	5.5	14
25	Synthesis of micro-sized shell-isolated 3D plasmonic superstructures for in situ single-particle SERS monitoring. Nanoscale, 2016, 8, 7871-7875.	5.6	12
26	Quantitative Single-Particle Fluorescence Imaging Elucidates Semiconductor Shell Influence on Ag@TiO2 Photocatalysis. ACS Applied Materials & Interfaces, 2021, 13, 7680-7687.	8.0	10
27	Electrochemical biosensing of circulating microRNA-21 in cerebrospinal fluid of medulloblastoma patients through target-induced redox signal amplification. Mikrochimica Acta, 2022, 189, 105.	5.0	9
28	Target induced interfacial self-assembly of nanoparticles: A new platform for reproducible quantification of copper ions. Talanta, 2016, 158, 254-261.	5.5	8
29	Nanoscale tracking plasmon-driven photocatalysis in individual nanojunctions by vibrational spectroscopy. Nanoscale, 2018, 10, 21742-21747.	5.6	8
30	Sensitive and fast beverage/fruit antioxidant evaluation by TiO₂â€Au/graphene nanocomposites coupled with MALDIâ€MS. Rapid Communications in Mass Spectrometry, 2016, 30, 128-132.	1.5	7
31	Associations between different bilirubin subtypes and diabetic microvascular complications in middle-aged and elderly individuals. Therapeutic Advances in Endocrinology and Metabolism, 2020, 11, 204201882093789.	3.2	6
32	Highâ€Efficiency and Stable Liâ€CO2 Battery Enabled by Carbon Nanotube/Carbon Nitride Heterostructured Photocathode. Angewandte Chemie, 0, , .	2.0	6
33	Direct Functional Protein Delivery with a Peptide into Neonatal and Adult Mammalian Inner Ear InÂVivo. Molecular Therapy - Methods and Clinical Development, 2020, 18, 511-519.	4.1	5
34	Optical Sensing Strategies for Probing Single-Cell Secretion. ACS Sensors, 2022, 7, 1779-1790.	7.8	5
35	Boosting Cycling Stability and Rate Capability of Liâ€“CO ₂ Batteries via Synergistic Photoelectric Effect and Plasmonic Interaction. Angewandte Chemie, 2022, 134, .	2.0	4
36	Primary temporal bone chondrosarcoma: experience with 10 cases. Acta Oto-Laryngologica, 2019, 139, 837-842.	0.9	3

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37	Changes of incudostapedial joint angle in stapedotomy: does it impact hearing outcomes?. European Archives of Oto-Rhino-Laryngology, 2021, 278, 645-652.	1.6	3
38	Frequency-specific hearing results after stapes surgery for Chinese population otosclerosis with different degrees of hearing loss. Acta Oto-Laryngologica, 2020, 140, 356-360.	0.9	2
39	Management of the Temporal Bone Fibrous Dysplasia With External Auditory Canal Stenosis and Secondary Cholesteatoma in an Asian Population: A 11-Case Series. Ear, Nose and Throat Journal, 2021, 100, NP469-NP474.	0.8	2