Ziyi Cheng

List of Publications by Year
in descending order

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24 papers	1,595 citations	566801 15 h-index	642321 23 g-index
24 all docs	24 docs citations	24 times ranked	2239 citing authors

#	Article	IF	Citations
1	Emergence of Surface-Enhanced Raman Scattering Probes in Near-Infrared Windows for Biosensing and Bioimaging. Analytical Chemistry, 2022, 94, 143-164.	3.2	20
2	Analysis of single extracellular vesicles for biomedical applications with especial emphasis on cancer investigations. TrAC - Trends in Analytical Chemistry, 2022, 152, 116604.	5.8	8
3	Construction of a mitochondriaâ€endoplasmic reticulum dualâ€targeted redâ€emitting fluorescent probe for imaging peroxynitrite in living cells and zebrafish. Chemistry - an Asian Journal, 2022, , e202200388.	1.7	5
4	SERS based Y-shaped aptasensor for early diagnosis of acute kidney injury. RSC Advances, 2022, 12, 15910-15917.	1.7	1
5	Microfluidics-Based Sensing of Biospecies. ACS Applied Bio Materials, 2021, 4, 2160-2191.	2.3	38
6	Indication of Dynamic Peroxynitrite Fluctuations in the Rat Epilepsy Model with a Near-Infrared Two-Photon Fluorescent Probe. Analytical Chemistry, 2021, 93, 2490-2499.	3.2	91
7	Development of bioorthogonal SERS imaging probe in biological and biomedical applications. Chinese Chemical Letters, 2021, 32, 2369-2379.	4.8	21
8	Toward Sensitive and Reliable Surface-Enhanced Raman Scattering Imaging: From Rational Design to Biomedical Applications. ACS Sensors, 2021, 6, 3912-3932.	4.0	45
9	Regular/abnormal variation in the strength and nature of the halogen bond between H₂Te and the dihalogens: Prominent effect of methyl substituents. Applied Organometallic Chemistry, 2020, 34, e5468.	1.7	3
10	Analysis of extracellular vesicles as emerging theranostic nanoplatforms. Coordination Chemistry Reviews, 2020, 424, 213506.	9.5	31
11	Research on the adverse reactions of medicines based on deep learning models. Journal of Physics: Conference Series, 2020, 1629, 012102.	0.3	1
12	Analysis of lung cancer morbidity and mortality based on particle swarm optimization. Journal of Physics: Conference Series, 2020, 1629, 012043.	0.3	2
13	Tumor Microenvironment-Specific Functional Nanomaterials for Biomedical Applications. Journal of Biomedical Nanotechnology, 2020, 16, 1325-1358.	0.5	11
14	SERS-based immunoassay using gold-patterned array chips for rapid and sensitive detection of dual cardiac biomarkers. Analyst, The, 2019, 144, 6533-6540.	1.7	48
15	Biomedical Applications of Surface-Enhanced Raman Scattering Spectroscopy. , 2018, , 307-326.		2
16	Simultaneous immunoassays of dual prostate cancer markers using a SERS-based microdroplet channel. Biosensors and Bioelectronics, 2018, 119, 126-133.	5.3	82
17	Simultaneous Detection of Dual Prostate Specific Antigens Using Surface-Enhanced Raman Scattering-Based Immunoassay for Accurate Diagnosis of Prostate Cancer. ACS Nano, 2017, 11, 4926-4933.	7.3	305
18	Single-unit-cell thick Co₉S₈nanosheets from preassembled Co₁₄nanoclusters. Chemical Communications, 2017, 53, 416-419.	2.2	7

#	Article	IF	Citations
19	Simultaneous Detection of Dual Nucleic Acids Using a SERS-Based Lateral Flow Assay Biosensor. Analytical Chemistry, 2017, 89, 1163-1169.	3.2	208
20	Highly Sensitive Detection of Hormone Estradiol E2 Using Surface-Enhanced Raman Scattering Based Immunoassays for the Clinical Diagnosis of Precocious Puberty. ACS Applied Materials & Interfaces, 2016, 8, 10665-10672.	4.0	73
21	Wash-free magnetic immunoassay of the PSA cancer marker using SERS and droplet microfluidics. Lab on A Chip, 2016, 16, 1022-1029.	3.1	151
22	A SERS-based lateral flow assay biosensor for highly sensitive detection of HIV-1 DNA. Biosensors and Bioelectronics, 2016, 78, 530-537.	5.3	304
23	Self-Assembly of Nanoclusters into Mono-, Few-, and Multilayered Sheets via Dipole-Induced Asymmetric van der Waals Attraction. ACS Nano, 2015, 9, 6315-6323.	7.3	98
24	One-step detection of melamine in milk by hollow gold chip based on surface-enhanced Raman scattering. Talanta, 2014, 122, 80-84.	2.9	40