Ziyi Cheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4379448/publications.pdf

Version: 2024-02-01

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	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
2	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
3	Simultaneous Detection of Dual Nucleic Acids Using a SERS-Based Lateral Flow Assay Biosensor. Analytical Chemistry, 2017, 89, 1163-1169.	3.2	208
4	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
5	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
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	Simultaneous immunoassays of dual prostate cancer markers using a SERS-based microdroplet channel. Biosensors and Bioelectronics, 2018, 119, 126-133.	5.3	82
8	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
9	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
10	Toward Sensitive and Reliable Surface-Enhanced Raman Scattering Imaging: From Rational Design to Biomedical Applications. ACS Sensors, 2021, 6, 3912-3932.	4.0	45
11	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
12	Microfluidics-Based Sensing of Biospecies. ACS Applied Bio Materials, 2021, 4, 2160-2191.	2.3	38
13	Analysis of extracellular vesicles as emerging theranostic nanoplatforms. Coordination Chemistry Reviews, 2020, 424, 213506.	9.5	31
14	Development of bioorthogonal SERS imaging probe in biological and biomedical applications. Chinese Chemical Letters, 2021, 32, 2369-2379.	4.8	21
15	Emergence of Surface-Enhanced Raman Scattering Probes in Near-Infrared Windows for Biosensing and Bioimaging. Analytical Chemistry, 2022, 94, 143-164.	3.2	20
16	Tumor Microenvironment-Specific Functional Nanomaterials for Biomedical Applications. Journal of Biomedical Nanotechnology, 2020, 16, 1325-1358.	0.5	11
17	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
18	Single-unit-cell thick Co₉S₈nanosheets from preassembled Co₁₄nanoclusters. Chemical Communications, 2017, 53, 416-419.	2.2	7

#	Article	IF	Citations
19	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
20	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
21	Biomedical Applications of Surface-Enhanced Raman Scattering Spectroscopy. , 2018, , 307-326.		2
22	Analysis of lung cancer morbidity and mortality based on particle swarm optimization. Journal of Physics: Conference Series, 2020, 1629, 012043.	0.3	2
23	Research on the adverse reactions of medicines based on deep learning models. Journal of Physics: Conference Series, 2020, 1629, 012102.	0.3	1
24	SERS based Y-shaped aptasensor for early diagnosis of acute kidney injury. RSC Advances, 2022, 12, 15910-15917.	1.7	1