

Mohammad Zarei

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

909
citations

687363

13
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

1341
citing authors

#	ARTICLE	IF	CITATIONS
1	Portable biosensing devices for point-of-care diagnostics: Recent developments and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 91, 26-41.	11.4	237
2	Advances in point-of-care technologies for molecular diagnostics. <i>Biosensors and Bioelectronics</i> , 2017, 98, 494-506.	10.1	129
3	Self-Propelled Micro/Nanomotors for Sensing and Environmental Remediation. <i>Small</i> , 2018, 14, e1800912.	10.0	121
4	Infectious pathogens meet point-of-care diagnostics. <i>Biosensors and Bioelectronics</i> , 2018, 106, 193-203.	10.1	83
5	Advances in Biodegradable Electronic Skin: Material Progress and Recent Applications in Sensing, Robotics, and Human-Machine Interfaces. <i>Advanced Materials</i> , 2023, 35, .	21.0	82
6	Application of shear thickening fluids in material development. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10411-10433.	5.8	63
7	Nanoparticle improved separations: From capillary to slab gel electrophoresis. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 86, 56-74.	11.4	35
8	Graphitic carbon nitride embedded hydrogels for enhanced gel electrophoresis. <i>Analytica Chimica Acta</i> , 2015, 887, 245-252.	5.4	33
9	Zirconia nanoparticle-modified graphitic carbon nitride nanosheets for effective photocatalytic degradation of 4-nitrophenol in water. <i>Applied Water Science</i> , 2019, 9, 1.	5.6	23
10	Profiling of nanoparticle-protein interactions by electrophoresis techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 79-96.	3.7	22
11	Improvement of heat dissipation in agarose gel electrophoresis by metal oxide nanoparticles. <i>RSC Advances</i> , 2015, 5, 88655-88665.	3.6	18
12	Application of nanocomposite polymer hydrogels for ultra-sensitive fluorescence detection of proteins in gel electrophoresis. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 93, 7-22.	11.4	18
13	Sensitive visible light-driven photoelectrochemical aptasensor for detection of tetracycline using ZrO ₂ /g-C ₃ N ₄ nanocomposite. <i>Sensors International</i> , 2020, 1, 100029.	8.4	15
14	Ultrasonic-assisted preparation of ZrO ₂ /g-C ₃ N ₄ nanocomposites with high visible-light photocatalytic activity for degradation of 4-chlorophenol in water. <i>Water-Energy Nexus</i> , 2020, 3, 135-142.	4.0	13
15	Embedded ceria nanoparticles in gel improve electrophoretic separation: a preliminary demonstration. <i>Analyst</i> , 2015, 140, 4434-4444.	3.5	12
16	Effect of phenolic radicals on the geometry and electronic structure of DNA base pairs: computational study. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650119.	1.7	3
17	Effect of Chemical Radicals on the Geometry of DNA: Computational Study. <i>Journal of Cancer Prevention & Current Research</i> , 2016, 4, .	0.1	0
18	Lab-on-a-phone-project: Micro- and nanotechnology-enabled applications for portable miniaturized analytical systems. , 2022, , 375-400.		0