

Mostafa Kamal Masud

List of Publications by Year in descending order

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38
papers

2,110
citations

257101

24
h-index

301761

39
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40
all docs

40
docs citations

40
times ranked

2450
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoarchitectonics: A New Materials Horizon for Prussian Blue and Its Analogues. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 875-904.	2.0	252
2	Avoiding Pre-Isolation Step in Exosome Analysis: Direct Isolation and Sensitive Detection of Exosomes Using Gold-Loaded Nanoporous Ferric Oxide Nanozymes. <i>Analytical Chemistry</i> , 2019, 91, 3827-3834.	3.2	209
3	Superparamagnetic nanoarchitectures for disease-specific biomarker detection. <i>Chemical Society Reviews</i> , 2019, 48, 5717-5751.	18.7	188
4	Gold-Loaded Nanoporous Ferric Oxide Nanocubes with Peroxidase-Mimicking Activity for Electrocatalytic and Colorimetric Detection of Autoantibody. <i>Analytical Chemistry</i> , 2017, 89, 11005-11013.	3.2	128
5	Nanoarchitecture Frameworks for Electrochemical miRNA Detection. <i>Trends in Biochemical Sciences</i> , 2019, 44, 433-452.	3.7	115
6	Porous nanozymes: the peroxidase-mimetic activity of mesoporous iron oxide for the colorimetric and electrochemical detection of global DNA methylation. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4783-4791.	2.9	107
7	Long-Lived, Transferred Crystalline Silicon Carbide Nanomembranes for Implantable Flexible Electronics. <i>ACS Nano</i> , 2019, 13, 11572-11581.	7.3	101
8	Gold-loaded nanoporous superparamagnetic nanocubes for catalytic signal amplification in detecting miRNA. <i>Chemical Communications</i> , 2017, 53, 8231-8234.	2.2	79
9	RNA Biomarkers: Diagnostic and Prognostic Potentials and Recent Developments of Electrochemical Biosensors. <i>Small Methods</i> , 2017, 1, 1700131.	4.6	79
10	Gold-loaded nanoporous ferric oxide nanocubes for electrocatalytic detection of microRNA at attomolar level. <i>Biosensors and Bioelectronics</i> , 2018, 101, 275-281.	5.3	76
11	Nanoarchitected peroxidase-mimetic nanozymes: mesoporous nanocrystalline $\hat{1}\pm$ - or $\hat{1}^3$ -iron oxide?. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5412-5422.	2.9	72
12	Electrochemical biosensing strategies for DNA methylation analysis. <i>Biosensors and Bioelectronics</i> , 2017, 94, 63-73.	5.3	60
13	Autoantibodies as diagnostic and prognostic cancer biomarker: Detection techniques and approaches. <i>Biosensors and Bioelectronics</i> , 2019, 139, 111315.	5.3	53
14	Nanoarchitectonics for Wide Bandgap Semiconductor Nanowires: Toward the Next Generation of Nanoelectromechanical Systems for Environmental Monitoring. <i>Advanced Science</i> , 2020, 7, 2001294.	5.6	48
15	Nanostructured mesoporous gold biosensor for microRNA detection at attomolar level. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112429.	5.3	48
16	Extracellular Vesicle Nanoarchitectonics for Novel Drug Delivery Applications. <i>Small</i> , 2021, 17, e2102220.	5.2	48
17	Gold-loaded nanoporous iron oxide nanocubes: a novel dispersible capture agent for tumor-associated autoantibody analysis in serum. <i>Nanoscale</i> , 2017, 9, 8805-8814.	2.8	44
18	Enhanced Peroxidase Mimetic Activity of Porous Iron Oxide Nanoflakes. <i>ChemNanoMat</i> , 2019, 5, 506-513.	1.5	44

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19	A PCR-free electrochemical method for messenger RNA detection in cancer tissue samples. <i>Biosensors and Bioelectronics</i> , 2017, 98, 227-233.	5.3	43
20	Grapheneâ€Oxideâ€Loaded Superparamagnetic Iron Oxide Nanoparticles for Ultrasensitive Electrochemical Detection of MicroRNA. <i>ChemElectroChem</i> , 2018, 5, 2488-2495.	1.7	36
21	Hydrogel Nanoarchitectonics: An Evolving Paradigm for Ultrasensitive Biosensing. <i>Small</i> , 2022, 18, .	5.2	31
22	Mesoporous goldâ€silver alloy films towards amplification-free ultra-sensitive microRNA detection. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9512-9523.	2.9	27
23	Nanoarchitected superparamagnetic iron oxide-doped mesoporous carbon nanozymes for glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2022, 366, 131980.	4.0	27
24	Designed Patterning of Mesoporous Metal Films Based on Electrochemical Micelle Assembly Combined with Lithographical Techniques. <i>Small</i> , 2020, 16, e1902934.	5.2	26
25	Quantification of gene-specific DNA methylation in oesophageal cancer via electrochemistry. <i>Analytica Chimica Acta</i> , 2017, 976, 84-93.	2.6	25
26	Detection of FGFR2â€FAM76A Fusion Gene in Circulating Tumor RNA Based on Catalytic Signal Amplification of Graphene Oxideâ€loaded Magnetic Nanoparticles. <i>Electroanalysis</i> , 2018, 30, 2293-2301.	1.5	24
27	Pt-Modulated CuMnO ₂ Nanosheets as Catalysts for Toluene Oxidation. <i>ACS Applied Nano Materials</i> , 2021, 4, 6637-6647.	2.4	24
28	Wide-Band-Gap Semiconductors for Biointegrated Electronics: Recent Advances and Future Directions. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1959-1981.	2.0	21
29	Nanoporous carbon nitride with a high content of inbuilt N site for the CO ₂ capture. <i>Journal of Hazardous Materials</i> , 2021, 408, 124843.	6.5	18
30	Sensitive Detection of Motor Neuron Disease Derived Exosomal miRNA Using Electrochemical Activity of Goldâ€Loaded Superparamagnetic Ferric Oxide Nanocubes. <i>ChemElectroChem</i> , 2020, 7, 3459-3467.	1.7	16
31	Î²-Carrageenan Gel Modified Mesoporous Gold Chronocoulometric Sensor for Ultrasensitive Detection of MicroRNA. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 198-207.	2.0	10
32	Nanostructured mesoporous gold electrodes detect protein phosphorylation in cancer with electrochemical signal amplification. <i>Analyst</i> , 2020, 145, 6639-6648.	1.7	6
33	Synthesis, Characterization and Catalytic Activities of Palladium(II) Nitroaryl Complexes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 1243-1252.	1.9	5
34	Transparent crystalline cubic SiC-on-glass electrodes enable simultaneous electrochemistry and optical microscopy. <i>Chemical Communications</i> , 2019, 55, 7978-7981.	2.2	5
35	Synthesis, spectroscopic characterization, thermal and luminescent properties of new organosulfur-functionalized platinum(II) bis(alkenylarylalkynyl) complexes. <i>Journal of Organometallic Chemistry</i> , 2016, 818, 185-194.	0.8	4
36	AC/DC magnetic device for safe medical use of potentially harmful magnetic nanocarriers. <i>Journal of Hazardous Materials</i> , 2021, 409, 124918.	6.5	4

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37	Daylight-Driven Rechargeable TiO ₂ Nanocatalysts Suppress Wheat Blast Caused by <i>Magnaporthe oryzae</i> Triticum. Bulletin of the Chemical Society of Japan, 2022, 95, 1263-1271.	2.0	4
38	Construction of AC/DC magnetic syringe device for stimulated drug release, injection and ejection of nanocarriers and testing cytotoxicity in vitro. MethodsX, 2021, 8, 101312.	0.7	2