

# Mostafa Kamal Masud

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

2,110  
citations

293460

24  
h-index

340414

39  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2725  
citing authors

#	ARTICLE	IF	CITATIONS
1	Î²-Carrageenan Gel Modified Mesoporous Gold Chronocoulometric Sensor for Ultrasensitive Detection of MicroRNA. Bulletin of the Chemical Society of Japan, 2022, 95, 198-207.	2.0	10
2	Daylight-Driven Rechargeable TiO <sub>2</sub> 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
3	Nanoarchitected superparamagnetic iron oxide-doped mesoporous carbon nanozymes for glucose sensing. Sensors and Actuators B: Chemical, 2022, 366, 131980.	4.0	27
4	Hydrogel Nanoarchitectonics: An Evolving Paradigm for Ultrasensitive Biosensing. Small, 2022, 18, .	5.2	31
5	Nanoporous carbon nitride with a high content of inbuilt N site for the CO <sub>2</sub> capture. Journal of Hazardous Materials, 2021, 408, 124843.	6.5	18
6	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
7	Wide-Band-Gap Semiconductors for Biointegrated Electronics: Recent Advances and Future Directions. ACS Applied Electronic Materials, 2021, 3, 1959-1981.	2.0	21
8	AC/DC magnetic device for safe medical use of potentially harmful magnetic nanocarriers. Journal of Hazardous Materials, 2021, 409, 124918.	6.5	4
9	Pt-Modulated CuMnO <sub>x</sub> Nanosheets as Catalysts for Toluene Oxidation. ACS Applied Nano Materials, 2021, 4, 6637-6647.	2.4	24
10	Extracellular Vesicle Nanoarchitectonics for Novel Drug Delivery Applications. Small, 2021, 17, e2102220.	5.2	48
11	Designed Patterning of Mesoporous Metal Films Based on Electrochemical Micelle Assembly Combined with Lithographical Techniques. Small, 2020, 16, e1902934.	5.2	26
12	Nanoarchitectonics for Wide Bandgap Semiconductor Nanowires: Toward the Next Generation of Nanoelectromechanical Systems for Environmental Monitoring. Advanced Science, 2020, 7, 2001294.	5.6	48
13	Sensitive Detection of Motor Neuron Disease Derived Exosomal miRNA Using Electrocatalytic Activity of Gold-Loaded Superparamagnetic Ferric Oxide Nanocubes. ChemElectroChem, 2020, 7, 3459-3467.	1.7	16
14	Nanostructured mesoporous gold electrodes detect protein phosphorylation in cancer with electrochemical signal amplification. Analyst, The, 2020, 145, 6639-6648.	1.7	6
15	Nanostructured mesoporous gold biosensor for microRNA detection at attomolar level. Biosensors and Bioelectronics, 2020, 168, 112429.	5.3	48
16	Mesoporous gold-silver alloy films towards amplification-free ultra-sensitive microRNA detection. Journal of Materials Chemistry B, 2020, 8, 9512-9523.	2.9	27
17	Nanoarchitected peroxidase-mimetic nanozymes: mesoporous nanocrystalline Fe <sup>2+</sup> - or Fe <sup>3+</sup> -iron oxide?. Journal of Materials Chemistry B, 2019, 7, 5412-5422.	2.9	72
18	Long-Lived, Transferred Crystalline Silicon Carbide Nanomembranes for Implantable Flexible Electronics. ACS Nano, 2019, 13, 11572-11581.	7.3	101

#	ARTICLE	IF	CITATIONS
19	Nanoarchitecture Frameworks for Electrochemical miRNA Detection. Trends in Biochemical Sciences, 2019, 44, 433-452.	3.7	115
20	Enhanced Peroxidase Mimetic Activity of Porous Iron Oxide Nanoflakes. ChemNanoMat, 2019, 5, 506-513.	1.5	44
21	Transparent crystalline cubic SiC-on-glass electrodes enable simultaneous electrochemistry and optical microscopy. Chemical Communications, 2019, 55, 7978-7981.	2.2	5
22	Autoantibodies as diagnostic and prognostic cancer biomarker: Detection techniques and approaches. Biosensors and Bioelectronics, 2019, 139, 111315.	5.3	53
23	Nanoarchitectonics: A New Materials Horizon for Prussian Blue and Its Analogues. Bulletin of the Chemical Society of Japan, 2019, 92, 875-904.	2.0	252
24	Avoiding Pre-Isolation Step in Exosome Analysis: Direct Isolation and Sensitive Detection of Exosomes Using Gold-Loaded Nanoporous Ferric Oxide Nanozymes. Analytical Chemistry, 2019, 91, 3827-3834.	3.2	209
25	Superparamagnetic nanoarchitectures for disease-specific biomarker detection. Chemical Society Reviews, 2019, 48, 5717-5751.	18.7	188
26	Gold-loaded nanoporous ferric oxide nanocubes for electrocatalytic detection of microRNA at attomolar level. Biosensors and Bioelectronics, 2018, 101, 275-281.	5.3	76
27	Porous nanozymes: the peroxidase-mimetic activity of mesoporous iron oxide for the colorimetric and electrochemical detection of global DNA methylation. Journal of Materials Chemistry B, 2018, 6, 4783-4791.	2.9	107
28	Detection of FGFR2&#x2013;FAM76A Fusion Gene in Circulating Tumor RNA Based on Catalytic Signal Amplification of Graphene Oxide&#x2013;loaded Magnetic Nanoparticles. Electroanalysis, 2018, 30, 2293-2301.	1.5	24
29	Graphene&#x2013;Oxide&#x2013;Loaded Superparamagnetic Iron Oxide Nanoparticles for Ultrasensitive Electrocatalytic Detection of MicroRNA. ChemElectroChem, 2018, 5, 2488-2495.	1.7	36
30	Electrochemical biosensing strategies for DNA methylation analysis. Biosensors and Bioelectronics, 2017, 94, 63-73.	5.3	60
31	Gold-loaded nanoporous iron oxide nanocubes: a novel dispersible capture agent for tumor-associated autoantibody analysis in serum. Nanoscale, 2017, 9, 8805-8814.	2.8	44
32	Quantification of gene-specific DNA methylation in oesophageal cancer via electrochemistry. Analytica Chimica Acta, 2017, 976, 84-93.	2.6	25
33	Gold-Loaded Nanoporous Ferric Oxide Nanocubes with Peroxidase-Mimicking Activity for Electrocatalytic and Colorimetric Detection of Autoantibody. Analytical Chemistry, 2017, 89, 11005-11013.	3.2	128
34	A PCR-free electrochemical method for messenger RNA detection in cancer tissue samples. Biosensors and Bioelectronics, 2017, 98, 227-233.	5.3	43
35	Gold-loaded nanoporous superparamagnetic nanocubes for catalytic signal amplification in detecting miRNA. Chemical Communications, 2017, 53, 8231-8234.	2.2	79
36	RNA Biomarkers: Diagnostic and Prognostic Potentials and Recent Developments of Electrochemical Biosensors. Small Methods, 2017, 1, 1700131.	4.6	79

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37	Synthesis, Characterization and Catalytic Activities of Palladium(II) Nitroaryl Complexes. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 1243-1252.	1.9	5
38	Synthesis, spectroscopic characterization, thermal and luminescent properties of new organosulfur-functionalized platinum(II) bis(alkenylarylalkynyl) complexes. Journal of Organometallic Chemistry, 2016, 818, 185-194.	0.8	4