Sheta M Sheta

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Nucleic acids biosensors based on metal-organic framework (MOF): Paving the way to clinical laboratory diagnosis. Biosensors and Bioelectronics, 2019, 141, 111451.	10.1	90
2	Simple synthesis of novel copper metal–organic framework nanoparticles: biosensing and biological applications. Dalton Transactions, 2018, 47, 4847-4855.	3.3	67
3	A novel nanoâ€size lanthanum metal–organic framework based on 5â€aminoâ€isophthalic acid and phenylenediamine: Photoluminescence study and sensing applications. Applied Organometallic Chemistry, 2019, 33, e4777.	3.5	43
4	A novel HCV electrochemical biosensor based on a polyaniline@Ni-MOF nanocomposite. Dalton Transactions, 2020, 49, 8918-8926.	3.3	43
5	A novel Ag/Zn bimetallic MOF as a superior sensitive biosensing platform for HCV-RNA electrochemical detection. Applied Surface Science, 2021, 562, 150202.	6.1	36
6	A novel cerium(<scp>iii</scp>)–isatin Schiff base complex: spectrofluorometric and DFT studies and application as a kidney biomarker for ultrasensitive detection of human creatinine. RSC Advances, 2020, 10, 5853-5863.	3.6	33
7	A novel optical approach for determination of prolactin based on Pr-MOF nanofibers. Analytical and Bioanalytical Chemistry, 2019, 411, 1339-1349.	3.7	32
8	Promising photoluminescence optical approach for triiodothyronine hormone determination based on smart copper metal–organic framework nanoparticles. Applied Organometallic Chemistry, 2019, 33, e5069.	3.5	27
9	Novel advanced nanomaterial based on ferrous metal–organic framework and its application as chemosensors for mercury in environmental and biological samples. Analytical and Bioanalytical Chemistry, 2020, 412, 3153-3165.	3.7	25
10	A novel, fast, high sensitivity biosensor for supporting therapeutic decisions and onset actions for chest pain cases. RSC Advances, 2019, 9, 20463-20471.	3.6	24
11	A novel biosensor for early diagnosis of liver cancer cases using smart nanoâ€magnetic metal–organic framework. Applied Organometallic Chemistry, 2019, 33, e5249.	3.5	24
12	Dual Naked-Eye and Optical Chemosensor for Morphine Detection in Biological Real Samples Based on Cr(III) Metal–Organic Framework Nanoparticles. ACS Omega, 2020, 5, 28296-28304.	3.5	24
13	New approach in SARS-CoV-2 surveillance using biosensor technology: a review. Environmental Science and Pollution Research, 2022, 29, 1677-1695.	5.3	22
14	A Fast and Simple Method for Determination of Testosterone Hormone in Biological Fluids Based on a New Eu(III) Complex Optical Sensor. Sensor Letters, 2017, 15, 977-981.	0.4	16
15	Ultrafast conversion of carcinogenic 4-nitrophenol into 4-aminophenol in the dark catalyzed by surface interaction on BiPO ₄ /g-C ₃ N ₄ nanostructures in the presence of NaBH ₄ .RSC Advances, 2021, 11, 18797-18808.	3.6	14
16	Manganese Metal–Organic Framework: Chemical Stability, Photoluminescence Studies, and Biosensing Application. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1726-1737.	3.7	13
17	A novel Iron(III)-based MOF: Synthesis, characterization, biological, and antimicrobial activity study. Journal of Materials Research, 2022, 37, 2356-2367.	2.6	13
18	A novel nano copper complex: potentiometry, DFT and application as a cancer prostatic biomarker for the ultrasensitive detection of human PSA. Dalton Transactions, 2020, 49, 15769-15778.	3.3	12

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19	Nanomaterials and metal-organic frameworks for biosensing applications of mutations of the emerging viruses. Analytical Biochemistry, 2022, 648, 114680.	2.4	11
20	New Optical Sensor for Determination of Hydrochlorothiazide in Pharmaceutical Preparation and Biological Fluids. Sensor Letters, 2017, 15, 525-530.	0.4	7
21	A novel nano-lanthanum complex: synthesis, characterization and application as a macrofuran chemosensor in pharmaceutical, biological and environmental samples. RSC Advances, 2021, 11, 9675-9681.	3.6	5
22	A novel strontium-based MOF: synthesis, characterization, and promising application in removal of ¹⁵²⁺¹⁵⁴ Eu from active waste. RSC Advances, 2022, 12, 13103-13110.	3.6	5
23	New PVC Membrane Sensors for Microdetermination of Triamterene in Different Samples. Sensor Letters, 2017, 15, 632-638.	0.4	2