

# Sheta M Sheta

## List of Publications by Citations

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21  
papers

338  
citations

12  
h-index

18  
g-index

26  
ext. papers

455  
ext. citations

3.7  
avg, IF

4.46  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 21 | Nucleic acids biosensors based on metal-organic framework (MOF): Paving the way to clinical laboratory diagnosis. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 141, 111451   | 11.8 | 63        |
| 20 | Simple synthesis of novel copper metal-organic framework nanoparticles: biosensing and biological applications. <i>Dalton Transactions</i> , <b>2018</b> , 47, 4847-4855   | 4.3  | 41        |
| 19 | A novel nano-size lanthanum metal-organic framework based on 5-amino-isophthalic acid and phenylenediamine: Photoluminescence study and sensing applications. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4777            | 3.1  | 35        |
| 18 | A novel HCV electrochemical biosensor based on a polyaniline@Ni-MOF nanocomposite. <i>Dalton Transactions</i> , <b>2020</b> , 49, 8918-8926  | 4.3  | 25        |
| 17 | A novel optical approach for determination of prolactin based on Pr-MOF nanofibers. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 1339-1349   | 4.4  | 22        |
| 16 | A novel cerium(iii)-isatin Schiff base complex: spectrofluorometric and DFT studies and application as a kidney biomarker for ultrasensitive detection of human creatinine.. <i>RSC Advances</i> , <b>2020</b> , 10, 5853-5863             | 3.7  | 19        |
| 15 | A novel, fast, high sensitivity biosensor for supporting therapeutic decisions and onset actions for chest pain cases.. <i>RSC Advances</i> , <b>2019</b> , 9, 20463-20471   | 3.7  | 17        |
| 14 | Novel advanced nanomaterial based on ferrous metal-organic framework and its application as chemosensors for mercury in environmental and biological samples. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 3153-3165 | 4.4  | 16        |
| 13 | A novel biosensor for early diagnosis of liver cancer cases using smart nano-magnetic metal-organic framework. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e5249   | 3.1  | 16        |
| 12 | Promising photoluminescence optical approach for triiodothyronine hormone determination based on smart copper metal-organic framework nanoparticles. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e5069                     | 3.1  | 15        |
| 11 | Dual Naked-Eye and Optical Chemosensor for Morphine Detection in Biological Real Samples Based on Cr(III) Metal-Organic Framework Nanoparticles. <i>ACS Omega</i> , <b>2020</b> , 5, 28296-28304   | 3.9  | 14        |
| 10 | A Fast and Simple Method for Determination of Testosterone Hormone in Biological Fluids Based on a New Eu(III) Complex Optical Sensor. <i>Sensor Letters</i> , <b>2017</b> , 15, 977-981   | 0.9  | 13        |
| 9  | A novel Ag/Zn bimetallic MOF as a superior sensitive biosensing platform for HCV-RNA electrochemical detection. <i>Applied Surface Science</i> , <b>2021</b> , 562, 150202   | 6.7  | 9         |
| 8  | Manganese Metal-Organic Framework: Chemical Stability, Photoluminescence Studies, and Biosensing Application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2021</b> , 31, 1726-1737                          | 3.2  | 8         |
| 7  | A novel nano copper complex: potentiometry, DFT and application as a cancer prostatic biomarker for the ultrasensitive detection of human PSA. <i>Dalton Transactions</i> , <b>2020</b> , 49, 15769-15778                                  | 4.3  | 6         |
| 6  | New Optical Sensor for Determination of Hydrochlorothiazide in Pharmaceutical Preparation and Biological Fluids. <i>Sensor Letters</i> , <b>2017</b> , 15, 525-530   | 0.9  | 6         |
| 5  | New approach in SARS-CoV-2 surveillance using biosensor technology: a review. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 29, 1677   | 5.1  | 5         |

- 4 Ultrafast conversion of carcinogenic 4-nitrophenol into 4-aminophenol in the dark catalyzed by surface interaction on BiPO<sub>4</sub>/g-CN nanostructures in the presence of NaBH<sub>4</sub>. *RSC Advances*, **2021**, 11, 18797-18808
- 3 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
- 2 Nanomaterials and metal-organic frameworks for biosensing applications of mutations of the emerging viruses.. *Analytical Biochemistry*, **2022**, 114680
- 1 A novel strontium-based MOF: synthesis, characterization, and promising application in removal of Eu from active waste.. *RSC Advances*, **2022**, 12, 13103-13110