# Aasif Helal

List of Publications by Year
in descending order

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|---|---|---|---|
| 59 papers | 2,992 citations | 186265 28 h-index | 161849 54 g-index |
| 60 all docs | 60 docs citations | 60 times ranked | 4015 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Europium doped Ni(BTC) metal-organic framework for detection of heteroaromatic compounds in mixed aqueous media. Materials Research Bulletin, 2022, 146, 111604. | 5.2 | 5 |
| 2 | Advanced Strategies in Metalâ€Organic Frameworks for CO<sub>2</sub> Capture and Separation. Chemical Record, 2022, 22, . | 5.8 | 42 |
| 3 | Metalâ€organic framework coordinated with cobalt ion as charge recombination retarder in <scp>dyeâ€sensitized</scp> solar cells. International Journal of Energy Research, 2022, 46, 9345-9357. | 4.5 | 6 |
| 4 | Rhâ€Complex Supported on Magnetic Nanoparticles as Catalysts for Hydroformylations and Transfer Hydrogenation Reactions. Asian Journal of Organic Chemistry, 2022, 11, . | 2.7 | 1 |
| 5 | Energy Conversion Efficiency Enhancement of Polyethylene Glycol and a SiO<sub>2</sub> Composite Doped with Ni, Co, Zn, and Sc Oxides. ACS Omega, 2022, 7, 22657-22670. | 3.5 | 5 |
| 6 | Chalcopyrite UiO-67 metal-organic framework composite for CO2 fixation as cyclic carbonates. Journal of Environmental Chemical Engineering, 2022, 10, 108061. | 6.7 | 12 |
| 7 | Potential Applications of Nickelâ€Based Metalâ€Organic Frameworks and their Derivatives. Chemical Record, 2022, 22, . | 5.8 | 38 |
| 8 | Prospects for a green methanol thermo-catalytic process from CO2 by using MOFs based materials: A mini-review. Journal of CO2 Utilization, 2021, 43, 101361. | 6.8 | 59 |
| 9 | Hybrid polyMOF Materials Prepared by Combining an Organic Polymer with a MOF and Their Application for Solar Thermal Energy Storage. Energy & Fuels, 2021, 35, 10199-10209. | 5.1 | 22 |
| 10 | Trends and Prospects in UiOâ€66 Metalâ€Organic Framework for CO<sub>2</sub> Capture, Separation, and Conversion. Chemical Record, 2021, 21, 1771-1791. | 5.8 | 48 |
| 11 | A 2D Graphitică€Polytriaminopyrimidine (gâ€PTAP)/Poly(etherâ€blockâ€amide) Mixed Matrix Membrane for CO<sub>2</sub> Separation. Chemistry - an Asian Journal, 2021, 16, 1839-1848. | 3.3 | 6 |
| 12 | Mixed Dimensional Nanostructure (UiOâ€66â€Decorated MWCNT) as a Nanofiller in Mixedâ€Matrix Membranes for Enhanced CO<sub>2</sub>/CH<sub>4</sub> Separation. Chemistry - A European Journal, 2021, 27, 11132-11140. | 3.3 | 9 |
| 13 | Nickel based metal-organic framework as catalyst for chemical fixation of CO2 in oxazolidinone synthesis. Journal of CO2 Utilization, 2021, 50, 101603. | 6.8 | 30 |
| 14 | Electrochemical Reduction of CO2: A Review of Cobalt Based Catalysts for Carbon Dioxide Conversion to Fuels. Nanomaterials, 2021, 11, 2029. | 4.1 | 60 |
| 15 | Fluorescein Hydrazide-Appended Metalâ€“Organic Framework as a Chromogenic and Fluorogenic Chemosensor for Mercury Ions. Molecules, 2021, 26, 5773. | 3.8 | 5 |
| 16 | UV-Protected Polyurethane/f-Oil Fly Ash-CeO2 Coating: Effect of Pre-Mixing f-Oil Fly Ash-CeO2 with Monomers. Polymers, 2021, 13, 3232. | 4.5 | 3 |
| 17 | Dual sensing of copper ion and chromium (VI) oxyanions by benzotriazole functionalized UiO-66 metal-organic framework in aqueous media. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 389, 112238. | 3.9 | 20 |
| 18 | Sequential Detection of Palladium and Chromium Oxyanion by a Fluorescein Based Chemosensor in Mixed Aqueous Media. Chemosensors, 2020, 8, 4. | 3.6 | 4 |

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|---|---|---|---|
| 19 | Multi Self-Healable UV Shielding Polyurethane/CeO2 Protective Coating: The Effect of Low-Molecular-Weight Polyols. Polymers, 2020, 12, 1947. | 4.5 | 8 |
| 20 | Defect-engineering a metalâ€“organic framework for CO<sub>2</sub> fixation in the synthesis of bioactive oxazolidinones. Inorganic Chemistry Frontiers, 2020, 7, 3571-3577. | 6.0 | 33 |
| 21 | Pyridinyl Conjugate of UiO-66-NH2 as Chemosensor for the Sequential Detection of Iron and Pyrophosphate Ion in Aqueous Media. Chemosensors, 2020, 8, 122. | 3.6 | 17 |
| 22 | Allyl functionalized UiO-66 metal-organic framework as a catalyst for the synthesis of cyclic carbonates by CO2 cycloaddition. Journal of Industrial and Engineering Chemistry, 2020, 89, 104-110. | 5.8 | 47 |
| 23 | Effect of Co(NO3)2Â·6H2O thermal decomposition temperature on the nano-Co3O4 product morphology and electrocatalysis of water oxidation. Journal of Applied Electrochemistry, 2019, 49, 251-259. | 2.9 | 16 |
| 24 | Propene Adsorption-Chemisorption Behaviors on H-SAPO-34 Zeolite Catalysts at Different Temperatures. Catalysts, 2019, 9, 919. | 3.5 | 18 |
| 25 | An Ultrasensitive and Selective Metalâ€“Organic Framework Chemosensor for Palladium Detection in Water. Inorganic Chemistry, 2019, 58, 1738-1741. | 4.0 | 42 |
| 26 | Sub-nanometric Rh decorated magnetic nanoparticles as reusable catalysts for nitroarene reduction in water. Catalysis Communications, 2019, 119, 134-138. | 3.3 | 19 |
| 27 | Highly selective fluorescent probe for switch-on Al3+ detection and switch-off Fâ^' detection. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 356, 312-320. | 3.9 | 52 |
| 28 | Facile hydrogenation of N-heteroarenes by magnetic nanoparticle-supported sub-nanometric Rh catalysts in aqueous medium. Catalysis Science and Technology, 2018, 8, 4709-4717. | 4.1 | 45 |
| 29 | Highly selective fluorescent probe for sequential recognition of copper(II) and iodide ions. Tetrahedron, 2017, 73, 4684-4691. | 1.9 | 50 |
| 30 | Multivariate metal-organic frameworks. National Science Review, 2017, 4, 296-298. | 9.5 | 148 |
| 31 | A Simple and Direct Preparation of a Substrate-Free Interconnected Nanostructured Carbon Electrode from Date Palm Leaflets for Detecting Hydroquinone. ChemistrySelect, 2017, 2, 4787-4793. | 1.5 | 16 |
| 32 | PdNPs@ZIF-8 Micro-Nanostructured Catalyst of Regioselective Mizoriki-Heck Olefination. ChemistrySelect, 2017, 2, 9052-9057. | 1.5 | 9 |
| 33 | The chemistry of metalâ€“organic frameworks for CO2 capture, regeneration and conversion. Nature Reviews Materials, 2017, 2, . | 48.7 | 1,075 |
| 34 | Fluorescent probe for sequential recognition of Ga3+ and pyrophosphate anions. Sensors and Actuators B: Chemical, 2017, 241, 789-799. | 7.8 | 54 |
| 35 | MB-UiO-66-NH<sub>2</sub> Metal-Organic Framework as Chromogenic and Fluorogenic Sensor for Hydrazine Hydrate in Aqueous Solution. ChemistrySelect, 2017, 2, 7630-7636. | 1.5 | 23 |
| 36 | Direct Electrodeposition of Nanogold on Gallium-Doped Zinc Oxide by Cyclic Voltammetry and Constant-Potential Techniques: Application to Electro-Oxidation of Sulfite. Journal of the Electrochemical Society, 2016, 163, D277-D281. | 2.9 | 7 |

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|---|---|---|---|
| 37 | Magnetic nanoparticle-supported ferrocenylphosphine: a reusable catalyst for hydroformylation of alkene and Mizorokiâ€“Heck olefination. RSC Advances, 2016, 6, 41687-41695. | 3.6 | 22 |
| 38 | Metalâ€“organic framework-guided growth of Mo<sub>2</sub>C embedded in mesoporous carbon as a high-performance and stable electrocatalyst for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2016, 4, 16225-16232. | 10.3 | 102 |
| 39 | Fluorescence sensor for sequential detection of zinc and phosphate ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 169, 87-94. | 3.9 | 58 |
| 40 | Fluorescein-N-Methylimidazole Conjugate as Cu2+ Sensor in Mixed Aqueous Media Through Electron Transfer. Journal of Fluorescence, 2016, 26, 1-9. | 2.5 | 23 |
| 41 | Schiff Base Ligand Coated Gold Nanoparticles for the Chemical Sensing of Fe(III) Ions. Journal of Nanomaterials, 2015, 2015, 1-7. | 2.7 | 11 |
| 42 | The rhodium complex of bis(diphenylphosphinomethyl)dopamine-coated magnetic nanoparticles as an efficient and reusable catalyst for hydroformylation of olefins. New Journal of Chemistry, 2015, 39, 7293-7299. | 2.8 | 29 |
| 43 | Voltammetric ion-channel sensing of ammonium ion using self-assembled monolayers modified with ionophoric receptors. Sensors and Actuators B: Chemical, 2015, 207, 1026-1034. | 7.8 | 12 |
| 44 | A fluorescent chemosensor for sequential recognition of gallium and hydrogen sulfate ions based on a new phenylthiazole derivative. Sensors and Actuators B: Chemical, 2015, 206, 430-434. | 7.8 | 70 |
| 45 | New regioisomeric naphtholâ€“thiazole based â€˜turn-onâ€™ fluorescent chemosensor for Al3+. Tetrahedron, 2013, 69, 9600-9608. | 1.9 | 34 |
| 46 | Carbazole incorporated ratiometric chemosensor for Zn2+. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 105, 273-279. | 3.9 | 18 |
| 47 | A highly selective fluorescent turn-on probe for Al3+ via Al3+-promoted hydrolysis of ester. Tetrahedron, 2013, 69, 6095-6099. | 1.9 | 38 |
| 48 | Molecular recognition of ï‰-amino acids by thiazolobenzocrown receptors: a GABA-selective ionophore. Supramolecular Chemistry, 2013, 25, 16-23. | 1.2 | 6 |
| 49 | Fluorogenic assay of alkaline phosphatase activity based on the modulation of excited-state intramolecular proton transfer. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5541-5544. | 2.2 | 12 |
| 50 | New regioisomeric naphthol-substituted thiazole based ratiometric fluorescence sensor for Zn2+ with a remarkable red shift in emission spectra. Tetrahedron, 2012, 68, 647-653. | 1.9 | 58 |
| 51 | Chromogenic and fluorogenic sensing of Cu2+ based on coumarin. Tetrahedron, 2011, 67, 2794-2802. | 1.9 | 127 |
| 52 | Fluorescence Sensing Properties of 2-(2'-Hydroxyphenyl)quinoline and Derivatives. Bulletin of the Korean Chemical Society, 2011, 32, 1599-1603. | 1.9 | 11 |
| 53 | Sensing of Cyanide Using Highly Selective Thiazole-based Cu<sup>2+</sup>Chemosensor. Bulletin of the Korean Chemical Society, 2011, 32, 3123-3126. | 1.9 | 32 |
| 54 | Thiazole-based chemosensor III: synthesis and fluorescence sensing of CH3CO2â^' based on inhibition of ESIPT. Tetrahedron, 2010, 66, 7097-7103. | 1.9 | 34 |

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| 55 | Thiazole-based chemosensor II: synthesis and fluorescence sensing of fluoride ions based on inhibition of ESIPT. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 66, 87-94. | 1.6 | 49 |
| 56 | Thiazole sulfonamide based ratiometric fluorescent chemosensor with a large spectral shift for zinc sensing. Tetrahedron, 2010, 66, 9925-9932. | 1.9 | 47 |
| 57 | Dual-signaling fluorescent chemosensor based on bisthiazole derivatives. Tetrahedron Letters, 2010, 51, 3531-3535. | 1.4 | 56 |
| 58 | Fluorescence Sensing Properties of Thiazolobenzo-crown Ether Incorporating Coumarin. Bulletin of the Korean Chemical Society, 2010, 31, 615-619. | 1.9 | 4 |
| 59 | Thiazole-based chemosensor: synthesis and ratiometric fluorescence sensing of zinc. Tetrahedron Letters, 2009, 50, 5510-5515. | 1.4 | 85 |