

Anastasia D Pournara

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,337
citations

623734

14
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

1849
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic frameworks: Challenges and opportunities for ion-exchange/sorption applications. <i>Progress in Materials Science</i> , 2017, 86, 25-74.	32.8	324
2	Selective capture of hexavalent chromium from an anion-exchange column of metal organic resin- α -alginic acid composite. <i>Chemical Science</i> , 2016, 7, 2427-2436.	7.4	158
3	Luminescent metal-organic frameworks as chemical sensors: common pitfalls and proposed best practices. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1493-1511.	6.0	129
4	Towards high-efficiency sorptive capture of radionuclides in solution and gas. <i>Progress in Materials Science</i> , 2018, 94, 1-67.	32.8	103
5	Rapid, green and inexpensive synthesis of high quality UiO-66 amino-functionalized materials with exceptional capability for removal of hexavalent chromium from industrial waste. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 635-644.	6.0	97
6	A Ca^{2+} MOF combining highly efficient sorption and capability for voltammetric determination of heavy metal ions in aqueous media. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15432-15443.	10.3	72
7	Biocompatible Microemulsions Based on Limonene: Formulation, Structure, and Applications. <i>Langmuir</i> , 2008, 24, 3380-3386.	3.5	69
8	Exceptional TcO_4^- sorption capacity and highly efficient ReO_4^- luminescence sensing by Zr^{4+} MOFs. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20813-20821.	10.3	54
9	3D-printed lab-in-a-syringe voltammetric cell based on a working electrode modified with a highly efficient Ca-MOF sorbent for the determination of $\text{Hg}(\text{II})$. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128508.	7.8	43
10	Nanomaterials for the sensing of narcotics: Challenges and opportunities. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 106, 84-115.	11.4	42
11	Chemically modified electrodes with MOFs for the determination of inorganic and organic analytes via voltammetric techniques: a critical review. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3440-3455.	6.0	38
12	Water-stable 2-D Zr MOFs with exceptional UO_2^{2+} sorption capability. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1849-1857.	10.3	29
13	Robust Al^{3+} MOF with Selective $\text{As}(\text{V})$ Sorption and Efficient Luminescence Sensing Properties toward $\text{Cr}(\text{VI})$. <i>Inorganic Chemistry</i> , 2022, 61, 2017-2030.	4.0	18
14	Alkylamino-terephthalate ligands stabilize 8-connected Zr^{4+} MOFs with highly efficient sorption for toxic Se species. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3379-3387.	10.3	16
15	A novel approach to sorbent-based remediation of soil impacted by organic micropollutants and heavy metals using granular biochar amendment and magnetic separation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107316.	6.7	16
16	Detection and Sorption of Heavy Metal Ions in Aqueous Media by a Fluorescent $\text{Zr}(\text{IV})$ Metal-Organic Framework Functionalized with 2-Picolylamine Receptor Groups. <i>Inorganic Chemistry</i> , 2022, 61, 7847-7858.	4.0	16
17	A dithiocarbamate-functionalized Zr^{4+} MOF with exceptional capability for sorption of Pb^{2+} in aqueous media. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105474.	6.7	13
18	Cotton fabric decorated by a Zr^{4+} MOF for selective $\text{As}(\text{V})$ and $\text{Se}(\text{IV})$ removal from aqueous media. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107705.	6.7	13

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19	Platinum/3,3'-thiodipropionic acid nanoparticles as recyclable catalysts for the selective hydrogenation of trans-cinnamaldehyde. <i>Catalysis Communications</i> , 2014, 43, 57-60.	3.3	11
20	Highly Efficient Sorption of Methyl Orange by a Metal-Organic Resin-Alginate Composite. <i>ChemPlusChem</i> , 2017, 82, 1188-1196.	2.8	11
21	Boosting photochemical activity by Ni doping of mesoporous CoO nanoparticle assemblies. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 765-774.	6.0	10
22	Towards white-light emission by Tb ³⁺ /Eu ³⁺ substitution in a Ca ²⁺ framework. <i>Polyhedron</i> , 2018, 153, 24-30.	2.2	9
23	Fabric phase sorptive extraction and passive sampling of ultraviolet filters from natural waters using a zirconium metal organic framework-cotton composite. <i>Journal of Chromatography A</i> , 2022, 1670, 462945.	3.7	9
24	Two new alkaline earth metal organic frameworks with the diamino derivative of biphenyl-4,4'-dicarboxylate as bridging ligand: Structures, fluorescence and quenching by gas phase aldehydes. <i>Polyhedron</i> , 2018, 153, 173-180.	2.2	8
25	Highly efficient removal of crude oil and dissolved hydrocarbons from water using superhydrophobic cotton filters. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106170.	6.7	5
26	Zirconium(IV) Metal Organic Frameworks with Highly Selective Sorption for Diclofenac under Batch and Continuous Flow Conditions. <i>Crystals</i> , 2022, 12, 424.	2.2	4
27	A new Cd ²⁺ -dihydroxyterephthalate MOF: Synthesis, crystal structure and detailed photophysical studies. <i>Polyhedron</i> , 2018, 151, 401-406.	2.2	3
28	Alkaline earth-organic frameworks with amino derivatives of 2,6-naphthalene dicarboxylates: structural studies and fluorescence properties. <i>Dalton Transactions</i> , 2020, 49, 16736-16744.	3.3	3
29	Enhanced Cr(VI) sorption capacity of the mechanochemically synthesized defective UiO-66 and UiO-66-NH ₂ . <i>Journal of Coordination Chemistry</i> , 2021, 74, 2835-2849.	2.2	3
30	A bifunctional robust metal sulfide with highly selective capture of Pb ²⁺ ions and luminescence sensing ability for heavy metals in aqueous media. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4052-4061.	6.0	2