

# Anastasia D Pournara

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,337  
citations

623188

14  
h-index

433756

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Al <sup>3+</sup> MOF with Selective As(V) Sorption and Efficient Luminescence Sensing Properties toward Cr(VI). <i>Inorganic Chemistry</i> , 2022, 61, 2017-2030.	1.9	18
2	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.	3.3	16
3	Zirconium(IV) Metal Organic Frameworks with Highly Selective Sorption for Diclofenac under Batch and Continuous Flow Conditions. <i>Crystals</i> , 2022, 12, 424.	1.0	4
4	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.	1.8	9
5	Cotton fabric decorated by a Zr <sup>4+</sup> MOF for selective As(V) and Se(IV) removal from aqueous media. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107705.	3.3	13
6	Detection and Sorption of Heavy Metal Ions in Aqueous Media by a Fluorescent Zr(IV) Metal-Organic Framework Functionalized with 2-Picolylamine Receptor Groups. <i>Inorganic Chemistry</i> , 2022, 61, 7847-7858.	1.9	16
7	Alkylamino-terephthalate ligands stabilize 8-connected Zr <sup>4+</sup> MOFs with highly efficient sorption for toxic Se species. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3379-3387.	5.2	16
8	A bifunctional robust metal sulfide with highly selective capture of Pb <sup>2+</sup> ions and luminescence sensing ability for heavy metals in aqueous media. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4052-4061.	3.0	2
9	A dithiocarbamate-functionalized Zr <sup>4+</sup> MOF with exceptional capability for sorption of Pb <sup>2+</sup> in aqueous media. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105474.	3.3	13
10	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.	3.3	5
11	Enhanced Cr(VI) sorption capacity of the mechanochemically synthesized defective UiO-66 and UiO-66-NH <sub>2</sub> . <i>Journal of Coordination Chemistry</i> , 2021, 74, 2835-2849.	0.8	3
12	Water-stable 2-D Zr MOFs with exceptional UO <sub>2</sub> <sup>2+</sup> sorption capability. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1849-1857.	5.2	29
13	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.	1.6	3
14	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 Hg(II). <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128508.	4.0	43
15	A Ca <sup>2+</sup> 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.	5.2	72
16	Boosting photochemical activity by Ni doping of mesoporous CoO nanoparticle assemblies. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 765-774.	3.0	10
17	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.	3.0	38
18	Luminescent metal-organic frameworks as chemical sensors: common pitfalls and proposed best practices. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1493-1511.	3.0	129

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19	Towards high-efficiency sorptive capture of radionuclides in solution and gas. <i>Progress in Materials Science</i> , 2018, 94, 1-67.	16.0	103
20	Exceptional $\text{TcO}_4^-$ sorption capacity and highly efficient $\text{ReO}_4^-$ luminescence sensing by $\text{Zr}^{4+}$ MOFs. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20813-20821.	5.2	54
21	Towards white-light emission by $\text{Tb}^{3+}/\text{Eu}^{3+}$ substitution in a $\text{Ca}^{2+}$ framework. <i>Polyhedron</i> , 2018, 153, 24-30.	1.0	9
22	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.	1.0	8
23	Nanomaterials for the sensing of narcotics: Challenges and opportunities. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 106, 84-115.	5.8	42
24	A new $\text{Cd}^{2+}$ -dihydroxyterephthalate MOF: Synthesis, crystal structure and detailed photophysical studies. <i>Polyhedron</i> , 2018, 151, 401-406.	1.0	3
25	Metal-organic frameworks: Challenges and opportunities for ion-exchange/sorption applications. <i>Progress in Materials Science</i> , 2017, 86, 25-74.	16.0	324
26	Highly Efficient Sorption of Methyl Orange by a Metal-Organic Resin-Alginate Composite. <i>ChemPlusChem</i> , 2017, 82, 1188-1196.	1.3	11
27	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.	3.0	97
28	Selective capture of hexavalent chromium from an anion-exchange column of metal organic resin-alginate composite. <i>Chemical Science</i> , 2016, 7, 2427-2436.	3.7	158
29	Platinum(3,3'-thiodipropionic acid nanoparticles as recyclable catalysts for the selective hydrogenation of trans-cinnamaldehyde. <i>Catalysis Communications</i> , 2014, 43, 57-60.	1.6	11
30	Biocompatible Microemulsions Based on Limonene: Formulation, Structure, and Applications. <i>Langmuir</i> , 2008, 24, 3380-3386.	1.6	69