

Hussein Rasool Abid Abid

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,997
citations

279798

23
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

2458
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen diffusion in coal: Implications for hydrogen geo-storage. Journal of Colloid and Interface Science, 2022, 608, 1457-1462.	9.4	68
2	Hydrogen Flooding of a Coal Core: Effect on Coal Swelling. Geophysical Research Letters, 2022, 49, .	4.0	35
3	Hydrogen storage potential of coals as a function of pressure, temperature, and rank. Journal of Colloid and Interface Science, 2022, 620, 86-93.	9.4	47
4	Promising material for large-scale H ₂ storage and efficient H ₂ -CO ₂ separation. Separation and Purification Technology, 2022, 298, 121542.	7.9	7
5	Striking CO ₂ capture and CO ₂ /N ₂ separation by Mn/Al bimetallic MIL-53. Polyhedron, 2021, 193, 114898.	2.2	5
6	Adsorption of nanoparticles on glass bead surface for enhancing proppant performance: A systematic experimental study. Journal of Molecular Liquids, 2021, 328, 115398.	4.9	43
7	Hydrogen Adsorption on Sub-bituminous Coal: Implications for Hydrogen Geo-storage. Geophysical Research Letters, 2021, 48, e2021GL092976.	4.0	48
8	Advances in Zeolite Imidazolate Frameworks (ZIFs) Derived Bifunctional Oxygen Electrocatalysts and Their Application in Zinc-Air Batteries. Advanced Energy Materials, 2021, 11, 2100514.	19.5	132
9	Effect of CO ₂ Flooding on the Wettability Evolution of Sand-Stone. Energies, 2021, 14, 5542.	3.1	12
10	Drastic enhancement of CO ₂ adsorption capacity by negatively charged sub-bituminous coal. Energy, 2021, 233, 120924.	8.8	16
11	Enhancing CO ₂ storage capacity and containment security of basaltic formation using silica nanofluids. International Journal of Greenhouse Gas Control, 2021, 112, 103516.	4.6	15
12	Facile directions for synthesis, modification and activation of MOFs. Materials Today Chemistry, 2020, 17, 100343.	3.5	53
13	Boosting CO ₂ adsorption and selectivity in metal-organic frameworks of MIL-96(Al) via second metal Ca coordination. RSC Advances, 2020, 10, 8130-8139.	3.6	36
14	Multimetal organic frameworks as drug carriers: aceclofenac as a drug candidate. Drug Design, Development and Therapy, 2019, Volume 13, 23-35.	4.3	23
15	Cascade applications of robust MIL-96 metal organic frameworks in environmental remediation: Proof of concept. Chemical Engineering Journal, 2018, 341, 262-271.	12.7	26
16	Enhanced CO ₂ Adsorption and Selectivity of CO ₂ /N ₂ on Amino-MIL-53(Al) Synthesized by Polar Co-solvents. Energy & Fuels, 2018, 32, 4502-4510.	5.1	39
17	Removal of monoethylene glycol from wastewater by using Zr-metal organic frameworks. Journal of Colloid and Interface Science, 2018, 523, 75-85.	9.4	26
18	Effects of -NO ₂ and -NH ₂ functional groups in mixed-linker Zr-based MOFs on gas adsorption of CO ₂ and CH ₄ . Progress in Natural Science: Materials International, 2018, 28, 160-167.	4.4	72

#	ARTICLE	IF	CITATIONS
19	Optimisation of CH_4 and CO_2 conversion and selectivity of H_2 and CO for the dry reforming of methane by a microwave plasma technique using a B_2O_3 design. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2254.	1.5	8
20	One-pot synthesis of binary metal organic frameworks (HKUST-1 and UiO-66) for enhanced adsorptive removal of water contaminants. Journal of Colloid and Interface Science, 2017, 490, 685-694.	9.4	116
21	Metal organic frameworks as a drug delivery system for flurbiprofen. Drug Design, Development and Therapy, 2017, Volume 11, 2685-2695.	4.3	105
22	Synthesis, characterization, and CO_2 adsorption of three metal-organic frameworks (MOFs): MIL-53, MIL-96, and amino-MIL-53. Polyhedron, 2016, 120, 103-111.	2.2	92
23	Excellent performance of copper based metal organic framework in adsorptive removal of toxic sulfonamide antibiotics from wastewater. Journal of Colloid and Interface Science, 2016, 478, 344-352.	9.4	208
24	Functionalized UiO-66 by Single and Binary OH_2 and NO_2 Groups for Uptake of CO_2 and CH_4 . Industrial & Engineering Chemistry Research, 2016, 55, 7924-7932.	3.7	61
25	Bifunctionalized Metal Organic Frameworks, UiO-66- NO_2 -N (N = $-\text{NH}_2$), Tj ETQq1 1 0.784314 rgBT /Overload CO_2 and N_2 . Journal of Chemical & Engineering Data, 2015, 60, 2152-2161.	1.9	67
26	Effects of amino functionality on uptake of CO_2 , CH_4 and selectivity of CO_2/CH_4 on titanium based MOFs. Fuel, 2015, 160, 318-327.	6.4	99
27	Amino-functionalized Zr-MOF nanoparticles for adsorption of CO_2 and CH_4 . International Journal of Smart and Nano Materials, 2013, 4, 72-82.	4.2	114
28	Effects of ammonium hydroxide on the structure and gas adsorption of nanosized Zr-MOFs (UiO-66). Nanoscale, 2012, 4, 3089.	5.6	87
29	Nanosize Zr-metal organic framework (UiO-66) for hydrogen and carbon dioxide storage. Chemical Engineering Journal, 2012, 187, 415-420.	12.7	227
30	Adsorption of CH_4 and CO_2 on Zr-metal organic frameworks. Journal of Colloid and Interface Science, 2012, 366, 120-124.	9.4	110