

# Hassan Ait ahsaine

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,843  
citations

218677

26  
h-index

276875

41  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress on the synthesis, morphology and photocatalytic dye degradation of BiVO <sub>4</sub> photocatalysts: A review. <i>Catalysis Reviews - Science and Engineering</i> , 2024, 66, 214-258.	12.9	49
2	Synthesis, structural and the corrosion inhibition of phosphate-based xPbO·yB <sub>2</sub> O <sub>3</sub> ·zP <sub>2</sub> O <sub>5</sub> glass for C35 steel in acidic media. <i>Nanotechnology for Environmental Engineering</i> , 2022, 7, 277-287.	3.3	1
3	CO <sub>2</sub> Electroreduction over Metallic Oxide, Carbon-Based, and Molecular Catalysts: A Mini-Review of the Current Advances. <i>Catalysts</i> , 2022, 12, 450.	3.5	14
4	Photocatalytic activity of anatase-brookite TiO <sub>2</sub> nanoparticles synthesized by sol gel method at low temperature. <i>Optical Materials</i> , 2022, 129, 112256.	3.6	35
5	Removal of reactive red-198 dye using chitosan as an adsorbent: optimization by Central composite design coupled with response surface methodology. <i>Toxin Reviews</i> , 2021, 40, 225-237.	3.4	22
6	Synthesis and luminescence spectroscopy study of a novel orange-red colour emissions phosphor based on Tb <sup>3+</sup> ion-doped Na <sub>2</sub> ZnP <sub>2</sub> O <sub>7</sub> . <i>Luminescence</i> , 2021, 36, 489-496.	2.9	5
7	Operando Elucidation on the Working State of Immobilized Fluorinated Iron Porphyrin for Selective Aqueous Electroreduction of CO <sub>2</sub> to CO. <i>ACS Catalysis</i> , 2021, 11, 6499-6509.	11.2	27
8	Recent trends on numerical investigations of response surface methodology for pollutants adsorption onto activated carbon materials: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 1043-1084.	12.8	109
9	Experimental Investigation of the Effects of Synthesis Parameters on the Precipitation of Calcium Carbonate and Portlandite from Moroccan Phosphogypsum and Pure Gypsum Using Carbonation Route. <i>Waste and Biomass Valorization</i> , 2020, 11, 6953-6965.	3.4	20
10	New amino group functionalized porous carbon for strong chelation ability towards toxic heavy metals. <i>RSC Advances</i> , 2020, 10, 31087-31100.	3.6	20
11	Nitrogen doped graphitic porous carbon from almond shells as an efficient persulfate activator for organic compound degradation. <i>New Journal of Chemistry</i> , 2020, 44, 9391-9401.	2.8	17
12	Microwave assisted green synthesis of Fe <sub>2</sub> O <sub>3</sub> /biochar for ultrasonic removal of nonsteroidal anti-inflammatory pharmaceuticals. <i>RSC Advances</i> , 2020, 10, 11371-11380.	3.6	37
13	UV-light photocatalytic properties of the bismuth lutetium tungstate system Bi <sub>2-x</sub> Lu <sub>x</sub> WO <sub>6</sub> (0 ≤ x ≤ 1). <i>Materials Letters</i> , 2020, 276, 128221.	2.6	14
14	The Growth of Photoactive Porphyrin-Based MOF Thin Films Using the Liquid-Phase Epitaxy Approach and their Optoelectronic Properties. <i>Materials</i> , 2019, 12, 2457.	2.9	11
15	High extent mass recovery of alginate hydrogel beads network based on immobilized bio-sourced porous carbon@Fe <sub>3</sub> O <sub>4</sub> -NPs for organic pollutants uptake. <i>Chemosphere</i> , 2019, 236, 124351.	8.2	43
16	Kinetics, equilibrium, statistical surface modeling and cost analysis of paraquat removal from aqueous solution using carbonated jujube seed. <i>RSC Advances</i> , 2019, 9, 1084-1094.	3.6	43
17	Combined Methane Energy Recovery and Toxic Dye Removal by Porous Carbon Derived from Anaerobically Modified Digestate. <i>ACS Omega</i> , 2019, 4, 9434-9445.	3.5	31
18	Compositionally Screened Eutectic Catalytic Coatings on Halide Perovskite Photocathodes for Photoassisted Selective CO <sub>2</sub> Reduction. <i>ACS Energy Letters</i> , 2019, 4, 1279-1286.	17.4	56

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19	Carbon microspheres derived from walnut shell: Rapid and remarkable uptake of heavy metal ions, molecular computational study and surface modeling. <i>Chemosphere</i> , 2019, 231, 140-150.	8.2	42
20	Preparation and Characterization of Porous Carbon@ZnO NPs for Organic Compounds Removal: Classical Adsorption Versus Ultrasound Assisted Adsorption. <i>ChemistrySelect</i> , 2019, 4, 4981-4994.	1.5	30
21	Selected pharmaceuticals removal using algae derived porous carbon: experimental, modeling and DFT theoretical insights. <i>RSC Advances</i> , 2019, 9, 9792-9808.	3.6	48
22	Electrosynthesis of zinc phosphate-polypyrrole coatings for improved corrosion resistance of steel. <i>Surfaces and Interfaces</i> , 2019, 15, 224-231.	3.0	34
23	Reusable bentonite clay: modelling and optimization of hazardous lead and <i>p</i> -nitrophenol adsorption using a response surface methodology approach. <i>RSC Advances</i> , 2019, 9, 5756-5769.	3.6	35
24	Carbonaceous material prepared by ultrasonic assisted pyrolysis from algae ( <i>Bifurcaria bifurcata</i> ): Response surface modeling of aspirin removal. <i>Surfaces and Interfaces</i> , 2019, 14, 61-71.	3.0	25
25	Cationic dyes adsorption onto high surface area almond shell activated carbon: Kinetics, equilibrium isotherms and surface statistical modeling. <i>Materials Today Chemistry</i> , 2018, 8, 121-132.	3.5	141
26	Well-designed WO <sub>3</sub> /Activated carbon composite for Rhodamine B Removal: Synthesis, characterization, and modeling using response surface methodology. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 389-397.	2.1	53
27	Facile synthesis, characterization and photocatalytic performance of Zn <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> platelets toward photodegradation of Rhodamine B dye. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1840-1847.	6.7	72
28	Acridine orange adsorption by zinc oxide/almond shell activated carbon composite: Operational factors, mechanism and performance optimization using central composite design and surface modeling. <i>Journal of Environmental Management</i> , 2018, 206, 383-397.	7.8	115
29	Adsorptive Removal of Methylene Blue and Crystal Violet onto Micro-Mesoporous Zr <sub>3</sub> O/Activated Carbon Composite: A Joint Experimental and Statistical Modeling Considerations. <i>Journal of Chemistry</i> , 2018, 2018, 1-14.	1.9	36
30	Apatitic tricalcium phosphate powder: High sorption capacity of hexavalent chromium removal. <i>Surfaces and Interfaces</i> , 2018, 13, 139-147.	3.0	31
31	Photo/Electrocatalytic Properties of Nanocrystalline ZnO and La-Doped ZnO: Combined DFT Fundamental Semiconducting Properties and Experimental Study. <i>ChemistrySelect</i> , 2018, 3, 7778-7791.	1.5	34
32	Porous carbon by microwave assisted pyrolysis: An effective and low-cost adsorbent for sulfamethoxazole adsorption and optimization using response surface methodology. <i>Journal of Cleaner Production</i> , 2018, 202, 571-581.	9.3	108
33	Adsorption kinetics and surface modeling of aqueous methylene blue onto activated carbonaceous wood sawdust. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 433-442.	2.1	42
34	Electrical impedance spectroscopy analyses and optical properties of the bismuth lutetium tungstate BiLuWO <sub>6</sub> . <i>Ferroelectrics</i> , 2017, 515, 112-119.	0.6	1
35	Bismuth Silver Oxysulfide for Photoconversion Applications: Structural and Optoelectronic Properties. <i>Chemistry of Materials</i> , 2017, 29, 8679-8689.	6.7	28
36	Effects of lutetium doping on the X-ray-excited luminescence properties of the tungstate Zn <sup>1-x</sup> Lu <sup>x</sup> WO <sub>4</sub> . <i>Research on Chemical Intermediates</i> , 2017, 43, 885-899.	2.7	0

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37	Electrocatalytic properties of hydroxyapatite thin films electrodeposited on stainless steel substrates. <i>Mediterranean Journal of Chemistry</i> , 2017, 6, 255-266.	0.7	21
38	MAPb <sub>2.9-x</sub> Br <sub>x</sub> Cl <sub>0.1</sub> hybrid halide perovskites: Shedding light on the effect of chloride and bromide ions on structural and photoluminescence properties. <i>Applied Surface Science</i> , 2016, 390, 744-750.	6.1	16
39	Electronic band structure and visible-light photocatalytic activity of Bi <sub>2</sub> WO <sub>6</sub> : elucidating the effect of lutetium doping. <i>RSC Advances</i> , 2016, 6, 101105-101114.	3.6	57
40	Congo red removal by PANi/Bi <sub>2</sub> WO <sub>6</sub> nanocomposites: Kinetic, equilibrium and thermodynamic studies. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3096-3105.	6.7	51
41	Novel Lu-doped Bi <sub>2</sub> WO <sub>6</sub> nanosheets: Synthesis, growth mechanisms and enhanced photocatalytic activity under UV-light irradiation. <i>Ceramics International</i> , 2016, 42, 8552-8558.	4.8	53
42	Role of the chemical substitution on the structural and luminescence properties of the mixed halide perovskite thin MAPb <sub>3-2x</sub> Br <sub>x</sub> (0 ≤ x ≤ 1) films. <i>Applied Surface Science</i> , 2016, 371, 112-117.	6.1	98
43	Novel synthesis, characterization and optical properties of Lu <sub>2</sub> O <sub>3</sub> deposited by electrochemical method. <i>Materials Letters</i> , 2015, 160, 415-418.	2.6	7
44	Structural, vibrational study and UV photoluminescence properties of the system Bi <sub>2-2x</sub> Lu <sub>x</sub> WO <sub>6</sub> (0.1 ≤ x ≤ 1). <i>RSC Advances</i> , 2015, 5, 96242-96252.	3.6	18
45	Rietveld refinements, impedance spectroscopy and phase transition of the polycrystalline ZnMoO <sub>4</sub> ceramics. <i>Ceramics International</i> , 2015, 41, 15193-15201.	4.8	28
46	Structural, microstructural and vibrational analyses of the monoclinic tungstate BiLuWO <sub>6</sub> . <i>Journal of Solid State Chemistry</i> , 2014, 218, 124-130.	2.9	12
47	Electron microscopy analyses and electrical properties of the layered Bi <sub>2</sub> WO <sub>6</sub> phase. <i>Journal of Solid State Chemistry</i> , 2013, 203, 8-18.	2.9	15
48	Mesoporous treated sewage sludge as outstanding low-cost adsorbent for cadmium removal. <i>Journal of Hazardous Materials</i> , 2010, 179, 330-338.		33
49	Fabrication, characterization and competitive study of toxic dyes adsorption onto Mg <sub>3</sub> Al-CO <sub>3</sub> 2H <sub>2</sub> O clay adsorbent. <i>Nanotechnology for Environmental Engineering</i> , 2010, 1, 1-10.	3.3	0