

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	Cationic dyes adsorption onto high surface area almond shell TM activated carbon: Kinetics, equilibrium isotherms and surface statistical modeling. <i>Materials Today Chemistry</i> , 2018, 8, 121-132.	3.5	141
2	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
3	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
4	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
5	Role of the chemical substitution on the structural and luminescence properties of the mixed halide perovskite thin MAPbI ₃ ^x Br _x (0 ≤ x ≤ 1) films. <i>Applied Surface Science</i> , 2016, 371, 112-117.	6.1	98
6	Facile synthesis, characterization and photocatalytic performance of Zn ₃ (PO ₄) ₂ platelets toward photodegradation of Rhodamine B dye. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1840-1847.	6.7	72
7	Electronic band structure and visible-light photocatalytic activity of Bi ₂ WO ₆ : elucidating the effect of lutetium doping. <i>RSC Advances</i> , 2016, 6, 101105-101114.	3.6	57
8	Compositionally Screened Eutectic Catalytic Coatings on Halide Perovskite Photocathodes for Photoassisted Selective CO ₂ Reduction. <i>ACS Energy Letters</i> , 2019, 4, 1279-1286.	17.4	56
9	Novel Lu-doped Bi ₂ WO ₆ nanosheets: Synthesis, growth mechanisms and enhanced photocatalytic activity under UV-light irradiation. <i>Ceramics International</i> , 2016, 42, 8552-8558.	4.8	53
10	Well-designed WO ₃ /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
11	Congo red removal by PANi/Bi ₂ WO ₆ nanocomposites: Kinetic, equilibrium and thermodynamic studies. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3096-3105.	6.7	51
12	Recent progress on the synthesis, morphology and photocatalytic dye degradation of BiVO ₄ photocatalysts: A review. <i>Catalysis Reviews - Science and Engineering</i> , 2024, 66, 214-258.	12.9	49
13	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
14	High extent mass recovery of alginate hydrogel beads network based on immobilized bio-sourced porous carbon@Fe ₃ O ₄ -NPs for organic pollutants uptake. <i>Chemosphere</i> , 2019, 236, 124351.	8.2	43
15	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
16	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
17	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
18	Microwave assisted green synthesis of Fe ₂ O ₃ /biochar for ultrasonic removal of nonsteroidal anti-inflammatory pharmaceuticals. <i>RSC Advances</i> , 2020, 10, 11371-11380.	3.6	37

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19	Adsorptive Removal of Methylene Blue and Crystal Violet onto Micro-Mesoporous Zr ₃ O/Activated Carbon Composite: A Joint Experimental and Statistical Modeling Considerations. <i>Journal of Chemistry</i> , 2018, 2018, 1-14.	1.9	36
20	Reusable bentonite clay: modelling and optimization of hazardous lead and p-nitrophenol adsorption using a response surface methodology approach. <i>RSC Advances</i> , 2019, 9, 5756-5769.	3.6	35
21	Photocatalytic activity of anatase-brookite TiO ₂ nanoparticles synthesized by sol gel method at low temperature. <i>Optical Materials</i> , 2022, 129, 112256.	3.6	35
22	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
23	Electrosynthesis of zinc phosphate-polypyrrole coatings for improved corrosion resistance of steel. <i>Surfaces and Interfaces</i> , 2019, 15, 224-231.	3.0	34
24	Mesoporous treated sewage sludge as outstanding low-cost adsorbent for cadmium removal. <i>Journal of Environmental Chemical Engineering</i> , 2018, 8, 330-338.		33
25	Apatitic tricalcium phosphate powder: High sorption capacity of hexavalent chromium removal. <i>Surfaces and Interfaces</i> , 2018, 13, 139-147.	3.0	31
26	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
27	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
28	Rietveld refinements, impedance spectroscopy and phase transition of the polycrystalline ZnMoO ₄ ceramics. <i>Ceramics International</i> , 2015, 41, 15193-15201.	4.8	28
29	Bismuth Silver Oxysulfide for Photoconversion Applications: Structural and Optoelectronic Properties. <i>Chemistry of Materials</i> , 2017, 29, 8679-8689.	6.7	28
30	Operando Elucidation on the Working State of Immobilized Fluorinated Iron Porphyrin for Selective Aqueous Electroreduction of CO ₂ to CO. <i>ACS Catalysis</i> , 2021, 11, 6499-6509.	11.2	27
31	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
32	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
33	Electrocatalytic properties of hydroxyapatite thin films electrodeposited on stainless steel substrates. <i>Mediterranean Journal of Chemistry</i> , 2017, 6, 255-266.	0.7	21
34	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
35	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
36	Structural, vibrational study and UV photoluminescence properties of the system Bi ₂ (2-x)Lu _x WO ₆ (0.1 ≤ x ≤ 1). <i>RSC Advances</i> , 2015, 5, 96242-96252.	3.6	18

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37	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
38	MAPb _{12.9} -xBr _x Cl _{0.1} 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	Electron microscopy analyses and electrical properties of the layered Bi ₂ WO ₆ phase. <i>Journal of Solid State Chemistry</i> , 2013, 203, 8-18.	2.9	15
40	UV-light photocatalytic properties of the bismuth lutetium tungstate system Bi ₂ -xLu _x WO ₆ (0 ≤ x ≤ 1). <i>Materials Letters</i> , 2020, 276, 128221.	2.6	14
41	CO ₂ 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
42	Structural, microstructural and vibrational analyses of the monoclinic tungstate BiLuWO ₆ . <i>Journal of Solid State Chemistry</i> , 2014, 218, 124-130.	2.9	12
43	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
44	Novel synthesis, characterization and optical properties of Lu ₂ O ₃ deposited by electrochemical method. <i>Materials Letters</i> , 2015, 160, 415-418.	2.6	7
45	Synthesis and luminescence spectroscopy study of a novel orange-red colour emissions phosphor based on Tb ³⁺ ion-doped Na ₂ ZnP ₂ O ₇ . <i>Luminescence</i> , 2021, 36, 489-496.	2.9	5
46	Electrical impedance spectroscopy analyses and optical properties of the bismuth lutetium tungstate BiLuWO ₆ . <i>Ferroelectrics</i> , 2017, 515, 112-119.	0.6	1
47	Synthesis, structural and the corrosion inhibition of phosphate-based xPbO-yB ₂ O ₃ -zP ₂ O ₅ glass for C35 steel in acidic media. <i>Nanotechnology for Environmental Engineering</i> , 2022, 7, 277-287.	3.3	1
48	Effects of lutetium doping on the X-ray-excited luminescence properties of the tungstate Zn _{1-x} Lu _x WO ₄ . <i>Research on Chemical Intermediates</i> , 2017, 43, 885-899.	2.7	0
49	Fabrication, characterization and competitive study of toxic dyes adsorption onto Mg ₃ Al-CO ₃ 2 ⁺ clay adsorbent. <i>Nanotechnology for Environmental Engineering</i> , 0, , 1.	3.3	0