

Zakaria Anfar

List of Publications by Year in descending order

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46
papers

1,788
citations

236925

25
h-index

276875

41
g-index

47
all docs

47
docs citations

47
times ranked

1542
citing authors

#	ARTICLE	IF	CITATIONS
1	High thiabendazole fungicide uptake using Cellana tramoserica shells modified by copper: characterization, adsorption mechanism, and optimization using CCD-RSM approach. Environmental Science and Pollution Research, 2022, 29, 86020-86035.	5.3	10
2	Conjugated polymers templated carbonization to design N, S co-doped finely tunable carbon for enhanced synergistic catalysis. Applied Catalysis B: Environmental, 2022, 300, 120732.	20.2	29
3	Engineering of Hâ€Bonding Interactions in PVA/gâ€C₃/sub>N₄ Hybrids for Enhanced Structural, Thermal, and Mechanical Properties: Toward Waterâ€Responsive Shape Memory Nanocomposites. Advanced Materials Interfaces, 2022, 9, .	3.7	10
4	New insights into N, S doped carbon from conjugated polymers for efficient persulfate activation: Role of hydrogel beads in enhancement of stability. Chemical Engineering Journal, 2022, 442, 136055.	12.7	11
5	Removal of reactive red-198 dye using chitosan as an adsorbent: optimization by Central composite design coupled with response surface methodology. Toxin Reviews, 2021, 40, 225-237.	3.4	22
6	New functionalization approach synthesis of Sulfur doped, Nitrogen doped and Co-doped porous carbon: Superior metal-free Carbocatalyst for the catalytic oxidation of aqueous organics pollutants. Chemical Engineering Journal, 2021, 405, 126660.	12.7	47
7	Synergistic effect of g-C3N4 nanosheets/Ag3PO4 microcubes as efficient n-p-type heterostructure based photoanode for photoelectrocatalytic dye degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 409, 113127.	3.9	29
8	Engineering of amine-based binding chemistry on functionalized graphene oxide/alginate hybrids for simultaneous and efficient removal of trace heavy metals: Towards drinking water. Journal of Colloid and Interface Science, 2021, 589, 511-524.	9.4	41
9	Engineering of new hydrogel beads based conducting polymers: Metal-free catalysis for highly organic pollutants degradation. Applied Catalysis B: Environmental, 2021, 286, 119948.	20.2	56
10	MoS2 nanosheets/silver nanoparticles anchored onto textile fabric as â€œdip catalystâ€ for synergistic p-nitrophenol hydrogenation. Environmental Science and Pollution Research, 2021, 28, 64674-64686.	5.3	13
11	Synergistic effect for efficient catalytic persulfate activation in conducting polymers-hematite sand composites: Enhancement of chemical stability. Applied Catalysis A: General, 2021, 623, 118246.	4.3	16
12	Self-Supporting g-C3N4 Nanosheets/Ag Nanoparticles Embedded onto Polyester Fabric as â€œDip-Catalystâ€ for Synergic 4-Nitrophenol Hydrogenation. Catalysts, 2021, 11, 1533.	3.5	7
13	Methanisation: A promising green technology to manage organic wastes in the Moroccan dairy industry. Materials Today: Proceedings, 2020, 22, 57-60.	1.8	1
14	Recent trends on numerical investigations of response surface methodology for pollutants adsorption onto activated carbon materials: A review. Critical Reviews in Environmental Science and Technology, 2020, 50, 1043-1084.	12.8	109
15	Ultrasound-assisted electro-oxidation of Methylene blue dye using new Zn3(PO4)2 based electrode prepared by electro-deposition. Materials Today: Proceedings, 2020, 22, 32-34.	1.8	12
16	Barium Hydrogen Phosphate Electrodes for High Electrocatalytic and Photoelectrocatalytic Degradation of Rhodamine B in Neutral Medium: Optimization by Response Surface Methodology. Electroanalysis, 2020, 11, 642-654.	3.0	15
17	Emerging Chemical Functionalization of g-C₃/sub>N₄: Covalent/Noncovalent Modifications and Applications. ACS Nano, 2020, 14, 12390-12469.	14.6	258
18	New amino group functionalized porous carbon for strong chelation ability towards toxic heavy metals. RSC Advances, 2020, 10, 31087-31100.	3.6	20

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19	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
20	Core-shell particles based on porous carbon@Fe ₃ O ₄ for efficient removal of dyes from textile effluents. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 827, 012006.	0.6	2
21	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
22	Synthesis and Characterization of Chitosan/Fluorapatite Composites for the Removal of Cr (VI) from Aqueous Solutions and Optimized Parameters. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	11
23	Core-shell architecture based on bio-sourced porous carbon: the shape formation mechanism at the solid/liquid interface layer. <i>RSC Advances</i> , 2019, 9, 25544-25553.	3.6	4
24	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
25	Cover Image, Volume 94, Issue 8. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, i.	3.2	0
26	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
27	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
28	Polyaniline coated hematite sand supported on graphene oxide (HS@PANI@GO) as a new magnetic material for advanced catalytic oxidation based on sulfate radicals: optimization using response surface methodology. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2609-2620.	3.2	11
29	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
30	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
31	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
32	Electrosynthesis of zinc phosphate-polypyrrole coatings for improved corrosion resistance of steel. <i>Surfaces and Interfaces</i> , 2019, 15, 224-231.	3.0	34
33	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
34	Synthesis of sustainable mesoporous treated fish waste as adsorbent for copper removal. <i>Groundwater for Sustainable Development</i> , 2019, 8, 1-9.	4.6	22
35	Hematite-titaniferous sand as a new low-cost adsorbent for orthophosphates removal: Adsorption, mechanism and Process Capability study. <i>Environmental Technology and Innovation</i> , 2019, 13, 153-165.	6.1	16
36	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

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37	Well-designed WO ₃ /Activated carbon composite for Rhodamine B Removal: Synthesis, characterization, and modeling using response surface methodology. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 389-397.	2.1	53
38	Acridine orange adsorption by zinc oxide/almond shell activated carbon composite: Operational factors, mechanism and performance optimization using central composite design and surface modeling. Journal of Environmental Management, 2018, 206, 383-397.	7.8	115
39	Adsorptive Removal of Methylene Blue and Crystal Violet onto Micro-Mesoporous Zr ₃ O/Activated Carbon Composite: A Joint Experimental and Statistical Modeling Considerations. Journal of Chemistry, 2018, 2018, 1-14.	1.9	36
40	Apatitic tricalcium phosphate powder: High sorption capacity of hexavalent chromium removal. Surfaces and Interfaces, 2018, 13, 139-147.	3.0	31
41	Photo/Electrocatalytic Properties of Nanocrystalline ZnO and La ²⁺ -Doped ZnO: Combined DFT Fundamental Semiconducting Properties and Experimental Study. ChemistrySelect, 2018, 3, 7778-7791.	1.5	34
42	Removal of heavy metals and organic pollutants by a sand rich in iron oxide. Euro-Mediterranean Journal for Environmental Integration, 2018, 3, 1.	1.3	20
43	Factorial experimental design to enhance methane production of dairy wastes co-digestion. Sustainable Environment Research, 2018, 28, 389-395.	4.2	11
44	Porous carbon by microwave assisted pyrolysis: An effective and low-cost adsorbent for sulfamethoxazole adsorption and optimization using response surface methodology. Journal of Cleaner Production, 2018, 202, 571-581.	9.3	108
45	Adsorption kinetics and surface modeling of aqueous methylene blue onto activated carbonaceous wood sawdust. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 433-442.	2.1	42
46	Treated digested residue during anaerobic co-digestion of Agri-food organic waste: Methylene blue adsorption, mechanism and CCD-RSM design. Journal of Environmental Chemical Engineering, 2017, 5, 5857-5867.	6.7	63