List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Comparative analysis of response surface methodology and some artificial intelligence models in the prediction of methyl green degradation by Fenton process. International Journal of Environmental Analytical Chemistry, 2023, 103, 7339-7356. | 3.3 | 4 |
| 2 | Comparative adsorption of methyl orange on SO ₄ ²⁻ and SDS intercalated Mg-Fe layered double hydroxides. International Journal of Environmental Analytical Chemistry, 2023, 103, 7182-7197. | 3.3 | 1 |
| 3 | Zinc chloride activation of carob shells for heavy metals removal from water: statistical optimisation, characterisation and isotherm modelling. International Journal of Environmental Analytical Chemistry, 2022, 102, 3961-3974. | 3.3 | 1 |
| 4 | Adsorption mechanisms investigation of methylene blue on the (0 0 1) zeolite 4A surface in aqueous medium by computational approach and molecular dynamics. Applied Surface Science, 2022, 572, 151381. | 6.1 | 41 |
| 5 | The state of art on the prediction of efficiency and modeling of the processes of pollutants removal based on machine learning. Science of the Total Environment, 2022, 807, 150554. | 8.0 | 59 |
| 6 | Natural Phosphates Characterization and Evaluation of their Removal Efficiency of Methylene Blue and Methyl Orange from Aqueous Media. Environment and Natural Resources Journal, 2022, 20, 1-13. | 0.7 | 3 |
| 7 | Experimental design, machine learning approaches for the optimization and modeling of caffeine adsorption. Materials Today Chemistry, 2022, 23, 100732. | 3.5 | 10 |
| 8 | Structural and morphological investigations of nanolayered double hydroxides as effective adsorbents of methyl orange. Emergent Materials, 2022, 5, 155-165. | 5.7 | 1 |
| 9 | Study of the effect of pH, conditioning and flotation time on the flotation efficiency of phosphate ores by a soybean oil collector. , 2022, 32, 101-108. | | 5 |
| 10 | Patent Blue V Dye Adsorption by Fresh and Calcined Zn/Al LDH: Effect of Process Parameters and Experimental Design Optimization. Journal of Composites Science, 2022, 6, 115. | 3.0 | 11 |
| 11 | Heterogeneous Fenton-like degradation of tartrazine using CuFe2O4 nanoparticles synthesized by sol-gel combustion. Applied Surface Science Advances, 2022, 9, 100251. | 6.8 | 34 |
| 12 | Removal of cadmium ions by magnesium phosphate: Kinetics, isotherm, and mechanism studies. Applied Surface Science Advances, 2022, 9, 100263. | 6.8 | 7 |
| 13 | Sol-gel auto-combustion synthesis of Cu1-xMgxFe2O4 nanoparticles and their heterogenous Fenton-like activity towards tartrazine. Inorganic Chemistry Communication, 2022, 142, 109717. | 3.9 | 7 |
| 14 | Recent advances in the synthesis and environmental catalytic applications of layered double hydroxides-based materials for degradation of emerging pollutants through advanced oxidation processes. Materials Research Bulletin, 2022, 154, 111924. | 5.2 | 23 |
| 15 | Simultaneous H ₂ Production and Bleaching via Solar Photoreforming of Model Dyeâ€polluted Wastewaters on Metal/Titania. ChemCatChem, 2021, 13, 1513-1529. | 3.7 | 12 |
| 16 | Chemically modified carbon-based electrodes for the determination of paracetamol in drugs and biological samples. Journal of Pharmaceutical Analysis, 2021, 11, 138-154. | 5.3 | 40 |
| 17 | HF and SiF4 adsorption on carbon graphite (1 1 1) surface in aqueous medium: A combined DFT and MD simulation approach. Materials Today: Proceedings, 2021, 37, 3987-3993. | 1.8 | 11 |
| 18 | SARS-CoV-2 in hospital wastewater during outbreak of COVID-19: A review on detection, survival and disinfection technologies. Science of the Total Environment, 2021, 761, 143192. | 8.0 | 69 |

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| 19 | A combined molecular dynamic simulation, DFT calculations, and experimental study of the eriochrome black T dye adsorption onto chitosan in aqueous solutions. International Journal of Biological Macromolecules, 2021, 166, 707-721. | 7.5 | 54 |
| 20 | Sorption of methyl orange dye by dodecyl-sulfate intercalated Mg-Al layered double hydroxides. Materials Today: Proceedings, 2021, 37, 3894-3897. | 1.8 | 7 |
| 21 | Ni-Fe-SDS and Ni-Fe-SO4 layered double hydroxides: Preparation, characterization and application in dyes removal. Materials Today: Proceedings, 2021, 37, 3871-3875. | 1.8 | 13 |
| 22 | Current Treatment of Textile Dyes Using Potential Adsorbents: Mechanism and Comparative Approaches. Sustainable Textiles, 2021, , 159-184. | 0.7 | 0 |
| 23 | Combined DFT and MD simulation approach for the study of SO2 and CO2 adsorption on graphite (111) surface in aqueous medium. Current Research in Green and Sustainable Chemistry, 2021, 4, 100085. | 5.6 | 11 |
| 24 | Effect of aluminium incorporation on physicochemical properties and patent blue V photodegradation of magnesium phosphate materials. Bulletin of Materials Science, 2021, 44, 1. | 1.7 | 5 |
| 25 | Classification of the geographical origin of argan kernels by infrared spectroscopy and chemometrics. Egyptian Journal of Chemistry, 2021, . | 0.2 | Ο |
| 26 | Adsorption of Eriochrome Black T on the chitin surface: Experimental study, DFT calculations and molecular dynamics simulation. Journal of Molecular Liquids, 2021, 331, 115706. | 4.9 | 39 |
| 27 | Comparative overview of advanced oxidation processes and biological approaches for the removal pharmaceuticals. Journal of Environmental Management, 2021, 288, 112404. | 7.8 | 109 |
| 28 | Adsorption of methylene blue cationic dye onto brookite and rutile phases of titanium dioxide: Quantum chemical and molecular dynamic simulation studies. Inorganic Chemistry Communication, 2021, 129, 108659. | 3.9 | 21 |
| 29 | Electrochemical sensors and biosensors for the determination of diclofenac in pharmaceutical, biological and water samples. Talanta Open, 2021, 3, 100026. | 3.7 | 28 |
| 30 | Experimental and modeling studies of the removal of phenolic compounds from olive mill wastewater by adsorption on sugarcane bagasse. Environmental Challenges, 2021, 4, 100184. | 4.2 | 19 |
| 31 | ZnO–Al2O3–CeO2–Ce2O3 mixed metal oxides as a promising photocatalyst for methyl orange photocatalytic degradation. Materials Today Chemistry, 2021, 21, 100495. | 3.5 | 16 |
| 32 | Nanostructured layered double hydroxides based photocatalysts: Insight on synthesis methods, application in water decontamination/splitting and antibacterial activity. Surfaces and Interfaces, 2021, 25, 101263. | 3.0 | 21 |
| 33 | Polyaniline/Nanomaterial Composites for the Removal of Heavy Metals by Adsorption: A Review. Journal of Composites Science, 2021, 5, 233. | 3.0 | 38 |
| 34 | Spinel ferrites nanoparticles: Synthesis methods and application in heterogeneous Fenton oxidation of organic pollutants – A review. Applied Surface Science Advances, 2021, 6, 100145. | 6.8 | 101 |
| 35 | Optimization of Carob Shells Biomass Activation by Nitric Acid for Heavy Metals Sequestration from Contaminated Water. Biointerface Research in Applied Chemistry, 2021, 12, 5941-5952. | 1.0 | 1 |
| 36 | Understanding the Mechanism and Selectivities of the Reaction of Meta-Chloroperbenzoic Acid and Dibromocarbene with <i>î²</i> -Himachalene: A DFT Study. Heteroatom Chemistry, 2020, 2020, 1-8. | 0.7 | 2 |

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| 37 | Removal of emerging pharmaceutical pollutants: A systematic mapping study review. Journal of Environmental Chemical Engineering, 2020, 8, 104251. | 6.7 | 62 |
| 38 | Removal of Textile Dyes by Chemically Treated Sawdust of Acacia: Kinetic and Equilibrium Studies. Journal of Chemistry, 2020, 2020, 1-12. | 1.9 | 8 |
| 39 | Olive mill wastewater treatment using infiltration percolation in column followed by aerobic biological treatment. SN Applied Sciences, 2020, 2, 1. | 2.9 | 29 |
| 40 | A regio- and stereoselectivity and molecular mechanism study on the addition reactions of morpholine and m-CPBA to 9α-hydroxyparthenolide using DFT calculations. Mediterranean Journal of Chemistry, 2020, 10, . | 0.7 | 3 |
| 41 | Physicochemical Characterization of Moroccan Natural Clays and the Study of their Adsorption Capacity for the Methyl Orange and Methylene. Journal of Environmental Treatment Techniques (discontinued), 2020, 8, 1258-1267. | 0.3 | 4 |
| 42 | New Evidence of the Enhanced Elimination of a Persistent Drug Used as a Lipid Absorption Inhibitor by Advanced Oxidation with UV-A and Nanosized Catalysts. Catalysts, 2019, 9, 761. | 3.5 | 18 |
| 43 | Statistical optimization of activated carbon from Thapsia transtagana stems and dyes removal efficiency using central composite design. Journal of Science: Advanced Materials and Devices, 2019, 4, 544-553. | 3.1 | 28 |
| 44 | Characteristics and mechanisms of methyl orange sorption onto Zn/Al layered double hydroxide intercalated by dodecyl sulfate anion. Scientific African, 2019, 6, e00216. | 1.5 | 18 |
| 45 | Novel Ag-ZnO-La2O2CO3 photocatalysts derived from the Layered Double Hydroxide structure with excellent photocatalytic performance for the degradation of pharmaceutical compounds. Journal of Science: Advanced Materials and Devices, 2019, 4, 34-46. | 3.1 | 18 |
| 46 | EFFICIENT REMOVAL OF HEAVY METALS BY KOH ACTIVATED Diplotaxis harra BIOMASS: EXPERIMENTAL DESIGN OPTIMIZATION. Environmental Engineering and Management Journal, 2019, 18, 651-664. | 0.6 | 2 |
| 47 | Photocatalytic degradation of caffeine as a model pharmaceutical pollutant on Mg doped ZnO-Al2O3 heterostructure. Environmental Nanotechnology, Monitoring and Management, 2018, 10, 63-72. | 2.9 | 56 |
| 48 | Optimization of Coagulation/Flocculation Process for Landfill Leachate Treatment Using Box–Behnken Design. Advances in Science, Technology and Innovation, 2018, , 167-168. | 0.4 | 2 |
| 49 | Effects of molar ratio and calcination temperature on the adsorption performance of Zn/Al layered double hydroxide nanoparticles in the removal of pharmaceutical pollutants. Journal of Science: Advanced Materials and Devices, 2018, 3, 188-195. | 3.1 | 33 |
| 50 | Dye removal from aqueous solution by raw maize corncob and H3PO4 activated maize corncob. Journal of Water Reuse and Desalination, 2018, 8, 214-224. | 2.3 | 22 |
| 51 | Effectiveness of beetroot seeds and H3PO4 activated beetroot seeds for the removal of dyes from aqueous solutions. Journal of Water Reuse and Desalination, 2018, 8, 522-531. | 2.3 | 17 |
| 52 | New Sustainable Biosorbent Based on Recycled Deoiled Carob Seeds: Optimization of Heavy Metals Remediation. Journal of Chemistry, 2018, 2018, 1-16. | 1.9 | 8 |
| 53 | Synthesis, characterization and efficient photocatalytic activity of novel Ca/ZnO-Al2O3 nanomaterial. Materials Today Communications, 2018, 16, 194-203. | 1.9 | 31 |
| 54 | Zn–Al layered double hydroxides intercalated with carbonate, nitrate, chloride and sulphate ions: Synthesis, characterisation and dye removal properties. Journal of Taibah University for Science, 2017, 11, 90-100. | 2.5 | 174 |

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| 55 | Treatment of textile effluents by chloride-intercalated Zn-, Mg- and Ni-Al layered double hydroxides. Journal of Water Reuse and Desalination, 2017, 7, 307-318. | 2.3 | 25 |
| 56 | Alkaline treated carob shells as sustainable biosorbent for clean recovery of heavy metals: Kinetics, equilibrium, ions interference and process optimisation. Ecological Engineering, 2017, 101, 9-20. | 3.6 | 39 |
| 57 | Photocatalytic degradation of caffeine by ZnO-ZnAl2O4 nanoparticles derived from LDH structure. Journal of Environmental Chemical Engineering, 2017, 5, 3719-3726. | 6.7 | 48 |
| 58 | Ni/Fe and Mg/Fe layered double hydroxides and their calcined derivatives: preparation, characterization and application on textile dyes removal. Journal of Materials Research and Technology, 2017, 6, 271-283. | 5.8 | 115 |
| 59 | Photocatalytic degradation of pesticides by titanium dioxide and titanium pillared purified clays. Arabian Journal of Chemistry, 2016, 9, S313-S318. | 4.9 | 81 |
| 60 | Defluoridation of groundwater by calcined Mg/Al layered double hydroxide. Emerging Contaminants, 2016, 2, 42-48. | 4.9 | 58 |
| 61 | Experimental design for the optimization of preparation conditions of highly efficient activated carbon from Glebionis coronaria L. and heavy metals removal ability. Chemical Engineering Research and Design, 2016, 102, 710-723. | 5.6 | 40 |
| 62 | Factorial experimental design for the optimization of catalytic degradation of malachite green dye in aqueous solution by Fenton process. Water Resources and Industry, 2016, 15, 41-48. | 3.9 | 82 |
| 63 | Adsorptive removal of heavy metals from aqueous solution using chemically activated Diplotaxis Harra biomass. Surfaces and Interfaces, 2016, 4, 84-94. | 3.0 | 13 |
| 64 | Highly efficient activated carbon from Glebionis coronaria L. biomass: Optimization of preparation conditions and heavy metals removal using experimental design approach. Journal of Environmental Chemical Engineering, 2016, 4, 4549-4564. | 6.7 | 54 |
| 65 | M-Al-SO ₄ layered double hydroxides (M=Zn, Mg or Ni): synthesis, characterization and textile dyes removal efficiency. Desalination and Water Treatment, 2016, 57, 21564-21576. | 1.0 | 19 |
| 66 | Activated carbon from Diplotaxis Harra biomass: Optimization of preparation conditions and heavy metal removal. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 348-358. | 5.3 | 46 |
| 67 | Potential capability of natural biosorbents: <i>Diplotaxis harra</i> and <i>Glebionis coronaria</i> L. on the removal efficiency of dyes from aqueous solutions. Desalination and Water Treatment, 2016, 57, 16633-16642. | 1.0 | 12 |
| 68 | Activite Antifongique Des FlavonoÃ⁻des Isoles De La Plante Asteriscus Graveolens Subsp. Odorus (Schousb.) Greuter. European Scientific Journal, 2016, 12, 258. | 0.1 | 0 |
| 69 | Effet De La Pollution Minière Sur La Phytochimie D'Argania spinosa (L.) Skeels. European Scientific Journal, 2016, 12, 442. | 0.1 | Ο |
| 70 | Isolement, Identification Et Activite Antifongique De Deux Sesquiterpenes D'asteriscus Graveolens Subsp. Odorus (Schousb.) Greuter. European Scientific Journal, 2016, 12, 112. | 0.1 | 2 |
| 71 | Biosorption potential of Diplotaxis harra and Glebionis coronaria L. biomasses for the removal of Cd(II) and Co(II) from aqueous solutions. Journal of Environmental Chemical Engineering, 2015, 3, 822-830. | 6.7 | 69 |
| 72 | Photocatalytic degradation of 2,4-D and 2,4-DP herbicides on Pt/TiO2 nanoparticles. Journal of Saudi Chemical Society, 2015, 19, 485-493. | 5.2 | 45 |

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| 73 | Adsorption of textile dyes on raw and decanted Moroccan clays: Kinetics, equilibrium and thermodynamics. Water Resources and Industry, 2015, 9, 16-29. | 3.9 | 236 |
| 74 | Modeling of photocatalytic mineralization of phthalic acid in TiO ₂ suspension using response surface methodology (RSM). Desalination and Water Treatment, 2015, 53, 249-256. | 1.0 | 8 |
| 75 | Removal of Cd(II) and Co(II) ions from aqueous solutions by polypyrrole particles: Kinetics, equilibrium and thermodynamics. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 2969-2974. | 5.3 | 23 |
| 76 | Full factorial experimental design applied to oxalic acid photocatalytic degradation in TiO2 aqueous suspension. Arabian Journal of Chemistry, 2014, 7, 752-757. | 4.9 | 39 |
| 77 | Biosorption characteristics of cadmium and lead onto eco-friendly dried cactus (Opuntia ficus indica) cladodes. Journal of Environmental Chemical Engineering, 2013, 1, 144-149. | 6.7 | 173 |
| 78 | Dried prickly pear cactus (Opuntia ficus indica) cladodes as a low-cost and eco-friendly biosorbent for dyes removal from aqueous solutions. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 52-60. | 5.3 | 126 |
| 79 | Degradation of Phenol in Water by Titanium Dioxide Photocatalysis. Oriental Journal of Chemistry, 2013, 29, 1055-1060. | 0.3 | 20 |
| 80 | Kinetics and equilibrium of cadmium removal from aqueous solutions by sorption onto synthesized hydroxyapatite. Desalination and Water Treatment, 2012, 43, 8-16. | 1.0 | 30 |
| 81 | Optimal Decolorization Efficiency of Indigo Carmine by TiO2/UV Photocatalytic Process Coupled with Response Surface Methodology. Oriental Journal of Chemistry, 2012, 28, 1091-1098. | 0.3 | 11 |
| 82 | Removal of Methylene Blue and Eriochrome Black T from aqueous solutions by biosorption on Scolymus hispanicus L: Kinetics, equilibrium and thermodynamics. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 320-326. | 5.3 | 185 |
| 83 | Removal of Reactive Yellow 84 from aqueous solutions by adsorption onto hydroxyapatite. Journal of Saudi Chemical Society, 2011, 15, 263-267. | 5.2 | 111 |
| 84 | PHOTOCATALYTIC DEGRADATION OF PATENT BLUE V BY SUPPORTED TiO ₂ : KINETICS, MINERALIZATION, AND REACTION PATHWAY. Chemical Engineering Communications, 2011, 198, 1233-1243. | 2.6 | 24 |
| 85 | Photocatalytic degradation of an azo reactive dye, Reactive Yellow 84, in water using an industrial titanium dioxide coated media. Arabian Journal of Chemistry, 2010, 3, 279-283. | 4.9 | 104 |
| 86 | Biosorption characteristics of Cadmium(II) onto Scolymus hispanicus L. as low-cost natural biosorbent. Desalination, 2010, 258, 66-71. | 8.2 | 64 |
| 87 | Sol–gel synthesis of TiO2–SiO2 photocatalyst for β-naphthol photodegradation. Materials Science and Engineering C, 2009, 29, 1616-1620. | 7.3 | 69 |
| 88 | Removal of textile dyes from aqueous solutions by natural phosphate as a new adsorbent. Desalination, 2009, 235, 264-275. | 8.2 | 121 |
| 89 | Methomyl degradation in aqueous solutions by Fenton's reagent and the photo-Fenton system. Separation and Purification Technology, 2008, 61, 103-108. | 7.9 | 184 |
| 90 | Factors influencing the photocatalytic degradation of Rhodamine B by TiO2-coated non-woven paper. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 195, 346-351. | 3.9 | 164 |

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| 91 | Photocatalytic degradation of indigo carmine in aqueous solution by TiO2-coated non-woven fibres. Journal of Hazardous Materials, 2008, 152, 1054-1059. | 12.4 | 153 |
| 92 | Photodegradation of 2-naphthol in water by artificial light illumination using TiO2 photocatalyst: Identification of intermediates and the reaction pathway. Applied Catalysis A: General, 2008, 334, 386-393. | 4.3 | 85 |
| 93 | Adsorption of Disperse Blue SBL dye by synthesized poorly crystalline hydroxyapatite. Journal of Environmental Sciences, 2008, 20, 1268-1272. | 6.1 | 61 |
| 94 | Decantamination of Textile Wastewater by Powdered Activated Carbon. Journal of Applied Sciences, 2006, 6, 692-695. | 0.3 | 12 |
| 95 | Box–Behnken design for understanding of adsorption behaviors of cationic and anionic dyes by activated carbon. , 0, 212, 204-211. | | 11 |
| 96 | Gallic acid removal using fresh and calcined Ni-Al layered double hydroxides: Kinetics, equilibrium and response surface methodology (RSM) optimisation. International Journal of Environmental Analytical Chemistry, 0, , 1-25. | 3.3 | 2 |
| 97 | Enhanced photocatalytic degradation of caffeine as a model pharmaceutical pollutant by Ag-ZnO-Al2O3 nanocomposite. , 0, 94, 254-262. | | 28 |
| 98 | Enhanced adsorptive removal of cationic dyes from aqueous solution by chemically treated carob shells. , 0, 100, 204-213. | | 4 |
| 99 | Biosorption potential of Thapsia transtagana stems for the removal of dyes: kinetics, equilibrium and thermodynamics. , 0, 126, 324-332. | | 1 |
| 100 | Process optimization of potassium hydroxide activated carbon from carob shell biomass and heavy metals removal ability using Box–Behnken design. , 0, 133, 153-166. | | 3 |
| 101 | Physicochemical characterization of natural sand from the south-east of Morocco and its potential use as sorbent for dyes removal. , 0, 146, 362-372. | | 4 |
| 102 | Activated carbon from Thapsia transtagana stems: central composite design (CCD) optimization of the preparation conditions and efficient dyes removal. , 0, 166, 259-278. | | 7 |
| 103 | Theoretical and experimental study of the adsorption characteristics of Methylene Blue on titanium dioxide surface using DFT and Monte Carlo dynamic simulation. , 0, 190, 393-411. | | 26 |
| 104 | Synthetic dyes adsorption and discoloration of a textile wastewater effluent by H3PO4 and H3BO3 activated Thapsia transtagana biomass. , 0, 202, 435-449. | | 5 |
| 105 | Facile nitric acid activation of carob seeds for efficient recovery of heavy metals from water. , 0, 204, 174-188. | | 5 |