# Abdelaziz Laghzizil

List of Publications by Year
in descending order

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|---|---|---|---|
| 73 papers | 1,548 citations | 279798 23 h-index | 345221 36 g-index |
| 74 all docs | 74 docs citations | 74 times ranked | 1478 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Porous ZnO/hydroxyapatite nanomaterials with effective photocatalytic and antibacterial activities for the degradation of antibiotics. Nanotechnology for Environmental Engineering, 2022, 7, 333-341. | 3.3 | 7 |
| 2 | Synthesis and properties of Ag2S-Hydroxyapatite nanocomposite materials. Materials Today: Proceedings, 2022, 66, 58-62. | 1.8 | 1 |
| 3 | Characterization and valorization of natural phosphate in removing of heavy metals and toxic organic species from water. Journal of African Earth Sciences, 2021, 173, 104022. | 2.0 | 6 |
| 4 | Mesoporous nanocrystalline sulfonated hydroxyapatites enhance heavy metal removal and antimicrobial activity. Separation and Purification Technology, 2021, 255, 117777. | 7.9 | 22 |
| 5 | Electrical and dielectric behaviors of thermally treated phosphate minerals. Solid State Sciences, 2021, 111, 106440. | 3.2 | 4 |
| 6 | Mechanical strength characterization and modeling of hydroxyapatite/tricalcium phosphate biocomposite using the diametral-compression test. EPJ Applied Physics, 2021, 93, 30403. | 0.7 | 1 |
| 7 | Effect of the surface chemistry on the stability and mechanical properties of the Zirconia-Hydroxyapatite bioceramic. Surfaces and Interfaces, 2021, 23, 100980. | 3.0 | 6 |
| 8 | A novel approach for the synthesis of nanostructured Ag3PO4 from phosphate rock: high catalytic and antibacterial activities. BMC Chemistry, 2021, 15, 42. | 3.8 | 9 |
| 9 | Photocatalytic degradation of emerging antibiotic pollutants in waters by TiO2/Hydroxyapatite nanocomposite materials. Surfaces and Interfaces, 2021, 24, 101155. | 3.0 | 21 |
| 10 | The densification and diametral compression strength of Hydroxyapatite-Zirconia bioceramics: Experimental and modelling studies. Materials Today: Proceedings, 2021, , . | 1.8 | 1 |
| 11 | Hydrophobic chemical surface functionalization of hydroxyapatite nanoparticles for naphthalene removal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 595, 124706. | 4.7 | 14 |
| 12 | A comparative study of the photocatalytic efficiency of metal oxide/hydroxyapatite nanocomposites in the degradation kinetic of ciprofloxacin in water. E3S Web of Conferences, 2020, 150, 02006. | 0.5 | 2 |
| 13 | A new in situ enhancement of the hydroxyapatite surface by Tyramine: Preparation and interfacial properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 592, 124590. | 4.7 | 3 |
| 14 | Alumina-hydroxyapatite nanocomposites and their applications for the removal of phenolic compounds from water: A comparative study. E3S Web of Conferences, 2020, 150, 02008. | 0.5 | 1 |
| 15 | Structural, thermal and dielectric properties of Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)<sub>1â€‘x</sub> Ti<sub>x</sub>O<sub>3</sub> ceramics at morphotropic phase boundary. EPJ Applied Physics, 2020, 92, 10902. | 0.7 | 10 |
| 16 | Characterization of Natural Gypsum Materials and Their Composites for Building Applications. Applied Sciences (Switzerland), 2019, 9, 2443. | 2.5 | 34 |
| 17 | Synthesis and properties of alumina-hydroxyapatite composites from natural phosphate for phenol removal from water. Colloids and Interface Science Communications, 2019, 31, 100188. | 4.1 | 25 |
| 18 | Development and Characterization of Hydroxyapatite-Alumina Biocomposites for Orthopedic Implants. Key Engineering Materials, 2019, 820, 97-103. | 0.4 | 2 |

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|---|---|---|---|
| 19 | Development of sulfonate-functionalized hydroxyapatite nanoparticles for cadmium removal from aqueous solutions. Colloids and Interface Science Communications, 2019, 30, 100178. | 4.1 | 31 |
| 20 | Investigation of thermal properties and energy harvesting of the Pb(Mg1/3Nb2/3)1-xTixO3 perovskite single crystals. Thermochimica Acta, 2019, 672, 118-125. | 2.7 | 10 |
| 21 | Zinc oxide-hydroxyapatite nanocomposite photocatalysts for the degradation of ciprofloxacin and ofloxacin antibiotics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 539, 364-370. | 4.7 | 69 |
| 22 | Finite Element Modeling of Mechanical Behavior of Al<sub>2</sub>O<sub>3</sub>â€“ZrO<sub>2</sub> Reinforced Calcium Phosphate Biomaterials. Sensor Letters, 2018, 16, 478-483. | 0.4 | 2 |
| 23 | Synthesis, Rietveld refinements and electrical conductivity of news fluorobritholite based on lead Ca7-xPbxLa3(PO4)3(SiO4)3F2 (0Ââ‰ÂxÂâ‰Â2). Journal of Molecular Structure, 2017, 1147, 114-120. | 3.6 | 6 |
| 24 | Oil shale powders and their interactions with ciprofloxacin, ofloxacin, and oxytetracycline antibiotics. Environmental Science and Pollution Research, 2017, 24, 25977-25985. | 5.3 | 9 |
| 25 | Low-cost composites based on porous titaniaâ€“apatite surfaces for the removal of patent blue V from water: Effect of chemical structure of dye. Journal of Advanced Research, 2016, 7, 1009-1017. | 9.5 | 16 |
| 26 | Mechanical properties of calcium phosphate biomaterials. Molecular Crystals and Liquid Crystals, 2016, 628, 198-203. | 0.9 | 1 |
| 27 | Analysis of stress field in Al2O3-ZrO2biomaterials by finite element method. Molecular Crystals and Liquid Crystals, 2016, 627, 141-147. | 0.9 | 1 |
| 28 | Nanoscale conversion of chlorapatite into hydroxyapatite using ultrasound irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 495, 187-192. | 4.7 | 12 |
| 29 | Organophosphonate-modified hydroxyapatites for Zn(II) and Pb(II) adsorption in relation of their structure and surface properties. Journal of Environmental Chemical Engineering, 2016, 4, 428-433. | 6.7 | 24 |
| 30 | Parameters influencing ciprofloxacin, ofloxacin, amoxicillin and sulfamethoxazole retention by natural and converted calcium phosphates. Journal of Hazardous Materials, 2015, 291, 38-44. | 12.4 | 28 |
| 31 | Porous hydroxyapatite-TiO2 nanocomposites from natural phosphates and their decolorization properties. European Physical Journal: Special Topics, 2015, 224, 1861-1869. | 2.6 | 7 |
| 32 | Carboxylate-modified apatite adsorbents for detection of Zn(II) ions. Desalination and Water Treatment, 2015, 54, 1949-1955. | 1.0 | 1 |
| 33 | Natural phosphate and its derivative porous hydroxyapatite for the removal of toxic organic chemicals. Desalination and Water Treatment, 2014, 52, 7265-7269. | 1.0 | 7 |
| 34 | Organo-apatites for lead removal from aqueous solutions: A comparison between carboxylic acid and aminophosphonate surface modification. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 419, 180-185. | 4.7 | 34 |
| 35 | Comparative Study of Surface Functionalization of Hydroxyapatite by Oneâ€pot Grafting of Organophosphonates Species. Journal of the Chinese Chemical Society, 2013, 60, 1425-1430. | 1.4 | 1 |
| 36 | Lead and zinc removal from aqueous solutions by aminotriphosphonate-modified converted natural phosphates. Chemical Engineering Journal, 2012, 211-212, 233-239. | 12.7 | 22 |

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| 37 | Interaction of metal(II)-tetra(4-sulfonatophenyl) porphyrins with porous hydroxyapatite surfaces. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 996-1001. | 5.3 | 8 |
| 38 | Manufacturing and mechanical properties of calcium phosphate biomaterials. Comptes Rendus - Mecanique, 2012, 340, 715-720. | 2.1 | 21 |
| 39 | Surface properties of porous hydroxyapatite derived from natural phosphate. Materials Chemistry and Physics, 2012, 136, 1022-1026. | 4.0 | 15 |
| 40 | Synthesis and characterization of nanoapatites organofunctionalized with aminotriphosphonate agents. Journal of Solid State Chemistry, 2012, 185, 95-100. | 2.9 | 11 |
| 41 | Ultrasound-Assisted Synthesis of Mesoporous Zirconia-Hydroxyapatite Nanocomposites and Their Dual Surface Affinity for Cr<sup>3+</sup>/Cr<sub>2</sub>O<sub>7</sub><sup>2â€“</sup> Ions. Langmuir, 2011, 27, 15176-15184. | 3.5 | 18 |
| 42 | Pyridine and phenol removal using natural and synthetic apatites as low cost sorbents: Influence of porosity and surface interactions. Journal of Hazardous Materials, 2010, 181, 736-741. | 12.4 | 63 |
| 43 | The affect of densification and dehydroxylation on the mechanical properties of stoichiometric hydroxyapatite bioceramics. Materials Research Bulletin, 2010, 45, 1433-1437. | 5.2 | 36 |
| 44 | Nanoporous surface of organofunctionalized hydroxyapatite fabricated from natural phosphate rock. Materials Letters, 2010, 64, 2679-2681. | 2.6 | 21 |
| 45 | Conversion of natural phosphate rock into mesoporous hydroxyapatite for heavy metals removal from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 362, 33-38. | 4.7 | 49 |
| 46 | Role of carboxylate chelating agents on the chemical, structural and textural properties of hydroxyapatite. Dalton Transactions, 2010, 39, 10644. | 3.3 | 45 |
| 47 | Microwave-Assisted and Efficient Solvent-free Knoevenagel Condensation. A Sustainable Protocol Using Porous Calcium Hydroxyapatite as Catalyst. Molecules, 2010, 15, 813-823. | 3.8 | 53 |
| 48 | Structure electronic and ionic conductivity study versus Ca content in Ca10â^'xSrx(PO4)6F2 apatites. Materials Research Bulletin, 2009, 44, 1592-1595. | 5.2 | 12 |
| 49 | Structure and thermal behaviors of Moroccan phosphate rock (Bengurir). Journal of Thermal Analysis and Calorimetry, 2009, 95, 15-19. | 3.6 | 33 |
| 50 | A novel process for the fabrication of nanoporous apatites from Moroccan phosphate rock. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 350, 73-78. | 4.7 | 47 |
| 51 | Adsorption of phenol from an aqueous solution by selected apatite adsorbents: Kinetic process and impact of the surface properties. Water Research, 2009, 43, 313-318. | 11.3 | 74 |
| 52 | Organically modified porous hydroxyapatites: A comparison between alkylphosphonate grafting and citrate chelation. Journal of Solid State Chemistry, 2008, 181, 848-854. | 2.9 | 21 |
| 53 | Mesoporous hydroxyapatites prepared in ethanolâ€“water media: Structure and surface properties. Materials Chemistry and Physics, 2007, 104, 448-453. | 4.0 | 42 |
| 54 | Some Factors Affecting the Removal of Lead(II) Ions from Aqueous Solution by Porous Calcium Hydroxyapatite: Relationships between Surface and Adsorption Properties. Adsorption Science and Technology, 2006, 24, 507-516. | 3.2 | 18 |

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| 55 | Porous Calcium Hydroxyapatite as an Efficient Catalyst for Synthesis of Pyrazolines via 1,3â€Dipolar Cycloaddition Under Solventâ€Free Microwave Irradiation. Synthetic Communications, 2006, 36, 111-120. | 2.1 | 32 |
| 56 | Chemical modification of porous calcium hydroxyapatite surfaces by grafting phenylphosphonic and phenylphosphite acids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 289, 84-88. | 4.7 | 30 |
| 57 | Crystallinity and fluorine substitution effects on the proton conductivity of porous hydroxyapatites. Journal of Solid State Chemistry, 2004, 177, 134-138. | 2.9 | 29 |
| 58 | Retention of fluoride ions from aqueous solution using porous hydroxyapatiteStructure and conduction properties. Journal of Hazardous Materials, 2004, 114, 41-44. | 12.4 | 59 |
| 59 | Paradoxical crystalline morphology of frosted glass. Journal of Non-Crystalline Solids, 2004, 345-346, 137-141. | 3.1 | 15 |
| 60 | Mechanism of ionic conduction in oxy and hydroxyapatite structures. Solid State Sciences, 2001, 3, 743-747. | 0.7 | 30 |
| 61 | Effect of chemical treatments on the ionic conductivity of carbonate apatite. Solid State Sciences, 2001, 3, 437-441. | 0.7 | 19 |
| 62 | Comparison of Electrical Properties between Fluoroapatite and Hydroxyapatite Materials. Journal of Solid State Chemistry, 2001, 156, 57-60. | 2.9 | 71 |
| 63 | Electrical behavior of hydroxyapatites M10(PO4)6(OH)2 (M = Ca, Pb, Ba). Materials Research Bulletin, 2001, 36, 953-962. | 5.2 | 61 |
| 64 | Sorption study of tribenuronâ€methyl onto apatite minerals. Toxicological and Environmental Chemistry, 2001, 81, 9-15. | 1.2 | 10 |
| 65 | Fluoride effect on the electrochemical behaviour of the Fe(III)/Fe(II) system in H3PO4+H2O+HF. Journal of Fluorine Chemistry, 2000, 105, 1-5. | 1.7 | 8 |
| 66 | Removal of fluoride from moroccan phosphate and synthetic fluoroapatites. Journal of Fluorine Chemistry, 2000, 101, 69-73. | 1.7 | 22 |
| 67 | Cationic conductivity and structural studies in the Pb8K2â^'xNax(PO4)6 system. Solid State Ionics, 2000, 128, 177-181. | 2.7 | 35 |
| 68 | Ionic conductivities of lithium fluorapatites. Solid State Ionics, 1999, 126, 245-250. | 2.7 | 22 |
| 69 | Anionic Conductivity in Fluorapatites: Correlation between Structure and Electrical Properties. Advanced Materials Research, 1994, 1-2, 479-488. | 0.3 | 22 |
| 70 | Mixed ionic conductivities in sodium fluoroapatites. Solid State Ionics, 1993, 67, 137-143. | 2.7 | 33 |
| 71 | Effect of heat treatment on the surface properties of selected bituminous shale for cationic dye sorption. , 0, 66, 274-280. | | 5 |
| 72 | Surface properties of Moroccan natural phosphate and its converted hydroxyapatite for adsorption of Cr3+/Cr2O72- ions: Kinetics and isotherms. , 0, 100, 145-150. | | 1 |

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|---|---|---|---|
| 73 | Application of central composite design for optimisation of the development of metakaolin based geopolymer as adsorbent for water treatment. International Journal of Environmental Analytical Chemistry, 0, , 1-19. | 3.3 | 7 |