# Babak Salamatinia

List of Publications by Year
in descending order

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Version: 2024-02-01

| 54 | 4,071 | 304368 | 182168 |
|---|---|---|---|
| papers | citations | 22 h-index | 51 g-index |

| 56 | 56 | 56 | 5158 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Review on Recent Progress in the Integrated Green Hydrogen Production Processes. Energies, 2022, 15, 1209. | 1.6 | 14 |
| 2 | Gelling synthesis of NiO/YSZ nanocomposite powder for solid oxide fuel cells. Advanced Materials Proceedings, 2021, 2, 813-818. | 0.2 | 1 |
| 3 | Removal of Heavy Metals in Biofiltration Systems. Environmental Chemistry for A Sustainable World, 2021, , 243-258. | 0.3 | 1 |
| 4 | Seasonal performance of stormwater biofiltration system under tropical conditions. Ecological Engineering, 2020, 143, 105676. | 1.6 | 10 |
| 5 | Hydrothermal synthesis of carbon microspheres from sucrose with citric acid as a catalyst: physicochemical and structural properties. Journal of Taibah University for Science, 2020, 14, 1042-1050. | 1.1 | 13 |
| 6 | Effective Adsorption of Reactive Black 5 onto Hybrid Hexadecylamine Impregnated Chitosan-Powdered Activated Carbon Beads. Water (Switzerland), 2020, 12, 2242. | 1.2 | 25 |
| 7 | Engineering stiffness in highly porous biomimetic gelatin/tertiary bioactive glass hybrid scaffolds using graphene nanosheets. Reactive and Functional Polymers, 2020, 154, 104668. | 2.0 | 4 |
| 8 | Selfâ€Healing Polyester Urethane Supramolecular Elastomers Reinforced with Cellulose Nanocrystals for Biomedical Applications. Macromolecular Bioscience, 2019, 19, e1900176. | 2.1 | 9 |
| 9 | Optimised Co-Precipitation synthesis condition for oxalate-derived zirconia nanoparticles. Ceramics International, 2019, 45, 22930-22939. | 2.3 | 15 |
| 10 | Ultrasound-Assisted Preparation of Chitosan/Nano-Activated Carbon Composite Beads Aminated with (3-Aminopropyl)Triethoxysilane for Adsorption of Acetaminophen from Aqueous Solutions. Polymers, 2019, 11, 1701. | 2.0 | 14 |
| 11 | Ammonium oxalate-assisted synthesis of Gd2O3 nanopowders. Ceramics International, 2019, 45, 9082-9091. | 2.3 | 3 |
| 12 | Grafted Copolymerized Chitosan and Its Applications as a Green Biopolymer. , 2018, , 285-333. | | 3 |
| 13 | Microplastic and mesoplastic contamination in canned sardines and sprats. Science of the Total Environment, 2018, 612, 1380-1386. | 3.9 | 232 |
| 14 | Synthesis and characterization of nanocrystalline NiO-GDC via sodium alginate-mediated ionic sol-gel method. Ceramics International, 2018, 44, 3201-3210. | 2.3 | 18 |
| 15 | Synthesis and Characterizations of Nickel (II) Oxide Sub-Micro Rods via co-precipitation Methods. IOP Conference Series: Materials Science and Engineering, 2018, 398, 012033. | 0.3 | 7 |
| 16 | Development of self-assembled nanocrystalline cellulose as a promising practical adsorbent for methylene blue removal. Carbohydrate Polymers, 2018, 199, 92-101. | 5.1 | 36 |
| 17 | Synthesis and characterisation of Y2O3 using ammonia oxalate as a precipitant in distillate pack co-precipitation process. Ceramics International, 2018, 44, 18693-18702. | 2.3 | 12 |
| 18 | Enhancing reactive blue 4 adsorption through chemical modification of chitosan with hexadecylamine and 3-aminopropyl triethoxysilane. Journal of Water Process Engineering, 2017, 15, 49-54. | 2.6 | 21 |

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|---|---|---|---|
| 19 | Adsorption Studies of Methyl Tert-butyl Ether from Environment. Separation and Purification Reviews, 2017, 46, 273-290. | 2.8 | 12 |
| 20 | Ionicâ€“gelation synthesis of gadolinium doped ceria (Ce 0.8 Gd 0.2 O 1.90 ) nanocomposite powder using sodium-alginate. Ceramics International, 2017, 43, 7123-7135. | 2.3 | 10 |
| 21 | Green Synthesis of ZnO Nanoparticles by an Alginate Mediated Ion-Exchange Process and a case study for Photocatalysis of Methylene Blue Dye. Journal of Physics: Conference Series, 2017, 829, 012014. | 0.3 | 9 |
| 22 | Effects of Beading Parameters for Development of Chitosan-Nano-Activated Carbon Biocomposite for Acetaminophen Elimination from Aqueous Sources. Environmental Engineering Science, 2017, 34, 805-815. | 0.8 | 6 |
| 23 | The presence of microplastics in commercial salts from different countries. Scientific Reports, 2017, 7, 46173. | 1.6 | 300 |
| 24 | Ceramic Nanocomposites for Solid Oxide Fuel Cells. , 2017, , 157-183. | | 3 |
| 25 | Synthesis and characterization of NiO and Ni nanoparticles using nanocrystalline cellulose (NCC) as a template. Ceramics International, 2017, 43, 16331-16339. | 2.3 | 26 |
| 26 | Effects of ultrasound on development of Cs/NAC nano composite beads through extrusion dripping for acetaminophen removal from aqueous solution. Journal of Cleaner Production, 2017, 165, 537-551. | 4.6 | 18 |
| 27 | Microplastics in eviscerated flesh and excised organs of dried fish. Scientific Reports, 2017, 7, 5473. | 1.6 | 235 |
| 28 | A high-performance protocol for extraction of microplastics in fish. Science of the Total Environment, 2017, 578, 485-494. | 3.9 | 454 |
| 29 | Synthesis and Characterization of NiO Nanoâ€Spheres by Templating on Chitosan as a Green Precursor. Journal of the American Ceramic Society, 2016, 99, 3874-3882. | 1.9 | 17 |
| 30 | Chitosan/halloysite beads fabricated by ultrasonic-assisted extrusion-dripping and a case study application for copper ion removal. Carbohydrate Polymers, 2016, 138, 16-26. | 5.1 | 52 |
| 31 | Chitosan hydrogel beads impregnated with hexadecylamine for improved reactive blue 4 adsorption. Carbohydrate Polymers, 2016, 137, 139-146. | 5.1 | 73 |
| 32 | Chitosan/Cellulose/Halloysite Membranes Produced Using Solvent Casting Method. Polymers and Polymer Composites, 2015, 23, 325-332. | 1.0 | 6 |
| 33 | Elimination of reactive blue 4 from aqueous solutions using 3-aminopropyl triethoxysilane modified chitosan beads. Carbohydrate Polymers, 2015, 132, 89-96. | 5.1 | 70 |
| 34 | Adsorption of dyes by nanomaterials: Recent developments and adsorption mechanisms. Separation and Purification Technology, 2015, 150, 229-242. | 3.9 | 582 |
| 35 | A review on composting of oil palm biomass. Environment, Development and Sustainability, 2015, 17, 691-709. | 2.7 | 37 |
| 36 | Application and Optimization of Using Recycled Pulp for Methylene Blue Removal from Wastewater: A Response Surface Methodology Approach. International Journal of Environmental Science and Development, 2015, 6, 267-274. | 0.2 | 2 |

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|---|---|---|---|
| 37 | Application of chitosan and its derivatives as adsorbents for dye removal from water and wastewater: A review. Carbohydrate Polymers, 2014, 113, 115-130. | 5.1 | 844 |
| 38 | Oil Palm Biomass as an Adsorbent for Heavy Metals. Reviews of Environmental Contamination and Toxicology, 2014, 232, 61-88. | 0.7 | 21 |
| 39 | Intensification of biodiesel production from vegetable oils using ultrasonic-assisted process: Optimization and kinetic. Chemical Engineering and Processing: Process Intensification, 2013, 73, 135-143. | 1.8 | 48 |
| 40 | MASS TRANSFER LIMITATION IN DIFFERENT ANODE ELECTRODE SURFACE AREAS ON THE PERFORMANCE OF DUAL CHAMBER MICROBIAL FUEL CELL. American Journal of Biochemistry and Biotechnology, 2012, 8, 320-325. | 0.1 | 9 |
| 41 | Quality evaluation of biodiesel produced through ultrasound-assisted heterogeneous catalytic system. Fuel Processing Technology, 2012, 97, 1-8. | 3.7 | 51 |
| 42 | 10.2478/s11814-009-0215-6. , 2011, 26, 1208. | | 0 |
| 43 | Ultrasonic-assisted biodiesel production process from palm oil using alkaline earth metal oxides as the heterogeneous catalysts. Fuel, 2010, 89, 1818-1825. | 3.4 | 263 |
| 44 | Optimization of ultrasonic-assisted heterogeneous biodiesel production from palm oil: A response surface methodology approach. Fuel Processing Technology, 2010, 91, 441-448. | 3.7 | 114 |
| 45 | Regeneration and reuse of spent NaOH-treated oil palm frond for copper and zinc removal from wastewater. Chemical Engineering Journal, 2010, 156, 141-145. | 6.6 | 13 |
| 46 | Optimization of bioresource material from oil palm trunk core drying using microwave radiation; a response surface methodology application. Bioresource Technology, 2010, 101, 8396-8401. | 4.8 | 33 |
| 47 | OPTIMIZATION OF THE SELECTIVE CATALYTIC REDUCTION OF NO IN DIESEL EXHAUST OVER CU-ZN/ZSM-5 CATALYST USING CENTRAL COMPOSITE DESIGN. IIUM Engineering Journal, 2010, 11, 106-122. | 0.5 | 1 |
| 48 | Developing a new model to predict mass transfer coefficient of salicylic acid adsorption onto IRA-93: Experimental and modeling. Korean Journal of Chemical Engineering, 2009, 26, 1208-1212. | 1.2 | 12 |
| 49 | Current status and policies on biodiesel industry in Malaysia as the world's leading producer of palm oil. Energy Policy, 2009, 37, 5440-5448. | 4.2 | 147 |
| 50 | Application of response surface methodology for the optimization of NaOH treatment on oil palm frond towards improvement in the sorption of heavy metals. Desalination, 2009, 244, 227-238. | 4.0 | 34 |
| 51 | Modeling of the continuous copper and zinc removal by sorption onto sodium hydroxide-modified oil palm frond in a fixed-bed column. Chemical Engineering Journal, 2008, 145, 259-266. | 6.6 | 44 |
| 52 | Critical technical areas for future improvement in biodiesel technologies. Environmental Research Letters, 2007, 2, 034001. | 2.2 | 42 |
| 53 | Removal of Zn and Cu from Wastewater by Sorption on Oil Palm Tree-Derived Biomasses. Journal of Applied Sciences, 2007, 7, 2020-2027. | 0.1 | 17 |
| 54 | Green Synthesis and Characterization of High-Purity Monodispersed Cupric Oxide (CuO) Nanopowder. Key Engineering Materials, 0, 801, 351-356. | 0.4 | 0 |