# Bahman Amini Horri

List of Publications by Year
in descending order



| 46 | 1,645 | 516215 16 | 288905 40 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 47 | 47 | 47 | 2318 |
|---|---|---|---|
| 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 | Synthesis and Characterization of Gadolinium-Doped Zirconia as a Potential Electrolyte for Solid Oxide Fuel Cells. Energies, 2022, 15, 2826. | 1.6 | 5 |
| 3 | Special Issue â€œEmerging Materials and Fabrication Methods for Solid Oxide Fuel Cells (SOFCs)â€. Energies, 2022, 15, 3182. | 1.6 | 2 |
| 4 | Biological and structural properties of graphene oxide/curcumin nanocomposite incorporated chitosan as a scaffold for wound healing application. Life Sciences, 2021, 264, 118640. | 2.0 | 42 |
| 5 | Progress in Material Development for Low-Temperature Solid Oxide Fuel Cells: A Review. Energies, 2021, 14, 1280. | 1.6 | 65 |
| 6 | A benzoate coprecipitation route for synthesizing nanocrystalline GDC powder with lowered sintering temperature. Ceramics International, 2021, 47, 20009-20018. | 2.3 | 4 |
| 7 | Green synthesis and characterisation of nanocrystalline NiO-GDC powders with low activation energy for solid oxide fuel cells. Ceramics International, 2021, 47, 32804-32816. | 2.3 | 16 |
| 8 | A Review of Recent Developments and Advanced Applications of High-Temperature Polymer Electrolyte Membranes for PEM Fuel Cells. Energies, 2021, 14, 5440. | 1.6 | 18 |
| 9 | Gelling synthesis of NiO/YSZ nanocomposite powder for solid oxide fuel cells. Advanced Materials Proceedings, 2021, 2, 813-818. | 0.2 | 1 |
| 10 | Catalytic Upgrading of a Biogas Model Mixture via Low Temperature DRM Using Multicomponent Catalysts. Topics in Catalysis, 2020, 63, 281-293. | 1.3 | 9 |
| 11 | Electrospun poly-caprolactone/graphene oxide/quercetin nanofibrous scaffold for wound dressing: Evaluation of biological and structural properties. Life Sciences, 2020, 257, 118062. | 2.0 | 48 |
| 12 | 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 |
| 13 | An experimental investigation of smart-water wettability alteration in carbonate rocks â€“ oil recovery and temperature effects. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-13. | 1.2 | 9 |
| 14 | Synthesis and characterisation of nanocrystalline CuOâ€“Fe2O3/GDC anode powders for solid oxide fuel cells. Ceramics International, 2020, 46, 14776-14786. | 2.3 | 8 |
| 15 | Catalytic Aspects of Fuel Cells: Overview and Insights into Solid Oxide Fuel Cells. RSC Energy and Environment Series, 2020, , 459-494. | 0.2 | 1 |
| 16 | Optimised Co-Precipitation synthesis condition for oxalate-derived zirconia nanoparticles. Ceramics International, 2019, 45, 22930-22939. | 2.3 | 15 |
| 17 | Ammonium oxalate-assisted synthesis of Gd2O3 nanopowders. Ceramics International, 2019, 45, 9082-9091. | 2.3 | 3 |
| 18 | Biogas Upgrading Via Dry Reforming Over a Ni-Sn/CeO2-Al2O3 Catalyst: Influence of the Biogas Source. Energies, 2019, 12, 1007. | 1.6 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Characteristics and performance of urea modified Pt-MWCNTs for electro-oxidation of methanol. Applied Surface Science, 2019, 467-468, 335-344. | 3.1 | 16 |
| 20 | A highly efficient hydrogen generation electrolysis system using alkaline zinc hydroxide solution. International Journal of Hydrogen Energy, 2019, 44, 72-81. | 3.8 | 15 |
| 21 | Nanocrystalline gadolinium-doped ceria (GDC) for SOFCs by an environmentally-friendly single step method. Ceramics International, 2018, 44, 13286-13292. | 2.3 | 25 |
| 22 | Synthesis and characteristics of nanocrystalline Ni1â^'xCoxO/GDC powder as a methane reforming catalyst for SOFCs. Ceramics International, 2018, 44, 6851-6860. | 2.3 | 5 |
| 23 | Grafted Copolymerized Chitosan and Its Applications as a Green Biopolymer. , 2018, , 285-333. | | 3 |
| 24 | Synthesis and characterization of nanocrystalline NiO-GDC via sodium alginate-mediated ionic sol-gel method. Ceramics International, 2018, 44, 3201-3210. | 2.3 | 18 |
| 25 | 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 |
| 26 | Development of self-assembled nanocrystalline cellulose as a promising practical adsorbent for methylene blue removal. Carbohydrate Polymers, 2018, 199, 92-101. | 5.1 | 36 |
| 27 | 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 |
| 28 | 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 |
| 29 | Physicochemical stability of calcium alginate beads immobilizing TiO<sub>2</sub> nanoparticles for removal of cationic dye under UV irradiation. Journal of Applied Polymer Science, 2017, 134, . | 1.3 | 28 |
| 30 | 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 |
| 31 | Ceramic Nanocomposites for Solid Oxide Fuel Cells. , 2017, , 157-183. | | 3 |
| 32 | Synthesis and characterization of NiO and Ni nanoparticles using nanocrystalline cellulose (NCC) as a template. Ceramics International, 2017, 43, 16331-16339. | 2.3 | 26 |
| 33 | 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 |
| 34 | 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 |
| 35 | Adsorption of dyes by nanomaterials: Recent developments and adsorption mechanisms. Separation and Purification Technology, 2015, 150, 229-242. | 3.9 | 582 |
| 36 | Vanadium oxide decorated carbon nanotubes as a promising support of Pt nanoparticles for methanol electro-oxidation reaction. Journal of Colloid and Interface Science, 2013, 393, 291-299. | 5.0 | 31 |

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|---|---|---|---|
| 37 | Optimal oxygen concentration strategy through an isothermal oxidative coupling of methane plug flow reactor to obtain a high yield of C2 hydrocarbons. Korean Journal of Chemical Engineering, 2013, 30, 1213-1221. | 1.2 | 1 |
| 38 | Characteristics of Ni/YSZ ceramic anode prepared using carbon microspheres as a pore former. International Journal of Hydrogen Energy, 2012, 37, 15311-15319. | 3.8 | 58 |
| 39 | Electrochemical characteristics and performance of anode-supported SOFCs fabricated using carbon microspheres as a pore-former. International Journal of Hydrogen Energy, 2012, 37, 19045-19054. | 3.8 | 20 |
| 40 | Modeling the Influence of Carbon Spheres on the Porosity of <scp>SOFC</scp> Anode Materials. Journal of the American Ceramic Society, 2012, 95, 1261-1268. | 1.9 | 9 |
| 41 | Rheological behaviour of NiO/YSZ slurries for drying-free casting. Powder Technology, 2012, 223, 116-122. | 2.1 | 4 |
| 42 | Solar evaporation enhancement using floating light-absorbing magnetic particles. Energy and Environmental Science, 2011, 4, 4074. | 15.6 | 258 |
| 43 | Growth of single-walled carbon nanotubes on a Coâ€“Moâ€“MgO supported catalyst by the CVD of methane in a fixed bed reactor: Model setting and parameter estimation. Solid State Sciences, 2011, 13, 1242-1250. | 1.5 | 11 |
| 44 | A new empirical viscosity model for ceramic suspensions. Chemical Engineering Science, 2011, 66, 2798-2806. | 1.9 | 52 |
| 45 | From Laboratory Experiments to Design of a Conveyor-Belt Dryer via Mathematical Modeling. Drying Technology, 2005, 23, 2389-2420. | 1.7 | 9 |
| 46 | Green Synthesis and Characterization of High-Purity Monodispersed Cupric Oxide (CuO) Nanopowder. Key Engineering Materials, 0, 801, 351-356. | 0.4 | 0 |