Bahman Amini Horri

List of Publications by Year
in descending order

46 papers	1,645 citations	516710 16 h-index	289244 40 g-index
47 all docs	47 docs citations	47 times ranked	2318 citing authors

#	Article	IF	Citations
1	A Review on Recent Progress in the Integrated Green Hydrogen Production Processes. Energies, 2022, 15, 1209.	3.1	14
2	Synthesis and Characterization of Gadolinium-Doped Zirconia as a Potential Electrolyte for Solid Oxide Fuel Cells. Energies, 2022, 15, 2826.	3.1	5
3	Special Issue â€œEmerging Materials and Fabrication Methods for Solid Oxide Fuel Cells (SOFCs)â€. Energies, 2022, 15, 3182.	3.1	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.	4.3	42
5	Progress in Material Development for Low-Temperature Solid Oxide Fuel Cells: A Review. Energies, 2021, 14, 1280.	3.1	65
6	A benzoate coprecipitation route for synthesizing nanocrystalline GDC powder with lowered sintering temperature. Ceramics International, 2021, 47, 20009-20018.	4.8	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.	4.8	16
8	A Review of Recent Developments and Advanced Applications of High-Temperature Polymer Electrolyte Membranes for PEM Fuel Cells. Energies, 2021, 14, 5440.	3.1	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.	2.8	9
11	Electrospun poly-caprolactone/graphene oxide/quercetin nanofibrous scaffold for wound dressing: Evaluation of biological and structural properties. Life Sciences, 2020, 257, 118062.	4.3	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.	2.5	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.	2.3	9
14	Synthesis and characterisation of nanocrystalline CuOâ€“Fe2O3/GDC anode powders for solid oxide fuel cells. Ceramics International, 2020, 46, 14776-14786.	4.8	8
15	Catalytic Aspects of Fuel Cells: Overview and Insights into Solid Oxide Fuel Cells. RSC Energy and Environment Series, 2020, , 459-494.	0.5	1
16	Optimised Co-Precipitation synthesis condition for oxalate-derived zirconia nanoparticles. Ceramics International, 2019, 45, 22930-22939.	4.8	15
17	Ammonium oxalate-assisted synthesis of Gd2O3 nanopowders. Ceramics International, 2019, 45, 9082-9091.	4.8	3
18	Biogas Upgrading Via Dry Reforming Over a Ni-Sn/CeO2-Al2O3 Catalyst: Influence of the Biogas Source. Energies, 2019, 12, 1007.	3.1	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.	6.1	16
20	A highly efficient hydrogen generation electrolysis system using alkaline zinc hydroxide solution. International Journal of Hydrogen Energy, 2019, 44, 72-81.	7.1	15
21	Nanocrystalline gadolinium-doped ceria (GDC) for SOFCs by an environmentally-friendly single step method. Ceramics International, 2018, 44, 13286-13292.	4.8	25
22	Synthesis and characteristics of nanocrystalline Ni1âˆ’xCoxO/GDC powder as a methane reforming catalyst for SOFCs. Ceramics International, 2018, 44, 6851-6860.	4.8	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.	4.8	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.	0.6	7
26	Development of self-assembled nanocrystalline cellulose as a promising practical adsorbent for methylene blue removal. Carbohydrate Polymers, 2018, 199, 92-101.	10.2	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.	4.8	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.	4.8	10
29	Physicochemical stability of calcium alginate beads immobilizing TiO₂ nanoparticles for removal of cationic dye under UV irradiation. Journal of Applied Polymer Science, 2017, 134, .	2.6	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.	0.4	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.	4.8	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.	3.8	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.	10.2	52
35	Adsorption of dyes by nanomaterials: Recent developments and adsorption mechanisms. Separation and Purification Technology, 2015, 150, 229-242.	7.9	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.	9.4	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.	2.7	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.	7.1	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.	7.1	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.	3.8	9
41	Rheological behaviour of NiO/YSZ slurries for drying-free casting. Powder Technology, 2012, 223, 116-122.	4.2	4
42	Solar evaporation enhancement using floating light-absorbing magnetic particles. Energy and Environmental Science, 2011, 4, 4074.	30.8	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.	3.2	11
44	A new empirical viscosity model for ceramic suspensions. Chemical Engineering Science, 2011, 66, 2798-2806.	3.8	52
45	From Laboratory Experiments to Design of a Conveyor-Belt Dryer via Mathematical Modeling. Drying Technology, 2005, 23, 2389-2420.	3.1	9
46	Green Synthesis and Characterization of High-Purity Monodispersed Cupric Oxide (CuO) Nanopowder. Key Engineering Materials, 0, 801, 351-356.	0.4	0