

Sa Hassanzadeh-Tabrizi

List of Publications by Year in descending order

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103
papers

2,927
citations

126708

33
h-index

214527

47
g-index

103
all docs

103
docs citations

103
times ranked

2861
citing authors

#	ARTICLE	IF	CITATIONS
1	The solution plasma synthesis, characterisation, and antibacterial activities of dispersed CuO nanoparticles. <i>Materials Technology</i> , 2022, 37, 1220-1229.	1.5	16
2	Facile synthesis of Zn _{0.5} Ni _{0.5} Fe ₂ O ₄ /carbon nanocomposite for hyperthermia and drug delivery applications. <i>Diamond and Related Materials</i> , 2022, 125, 108993.	1.8	6
3	Poly(methyl methacrylate) bone cement, its rise, growth, downfall and future. <i>Polymer International</i> , 2021, 70, 1182-1201.	1.6	36
4	Synthesis of the novel CuAl ₂ O ₄ @Al ₂ O ₃ @SiO ₂ nanocomposites for the removal of pollutant dye and antibacterial applications. <i>Research on Chemical Intermediates</i> , 2021, 47, 599-614.	1.3	2
5	Novel synthesis of nickel ferrite magnetic nanoparticles by an in-liquid plasma. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10424-10442.	1.1	10
6	Optimization of magnesia sintering parameters fabricated by spark plasma sintering method for infrared transparency. <i>Materials Research Express</i> , 2021, 8, 065002.	0.8	0
7	Synthesis of mesoporous cobalt ferrite/hydroxyapatite core-shell nanocomposite for magnetic hyperthermia and drug release applications. <i>Ceramics International</i> , 2021, 47, 18167-18176.	2.3	55
8	Polyacrylamide gel synthesis, characterization, and optical properties of Co _{1-x} Ni _x Cr ₂ O ₄ spinel nanopigment. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 99, 534-545.	1.1	6
9	Magnetic chitosan nanocomposites for simultaneous hyperthermia and drug delivery applications: A review. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 618-635.	3.6	27
10	Synthesis of NiFe ₂ O ₄ /Ag nanoparticles immobilized on mesoporous g-C ₃ N ₄ sheets and application for degradation of antibiotics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113398.	2.0	22
11	Two-stage synthesis of SnO ₂ -Ag/MgFe ₂ O ₄ nanocomposite for photocatalytic application. <i>Surfaces and Interfaces</i> , 2021, 26, 101326.	1.5	5
12	Synthesis of mesoporous CuFe ₂ O ₄ @SiO ₂ core-shell nanocomposite for simultaneous drug release and hyperthermia applications. <i>Ceramics International</i> , 2021, 47, 30287-30297.	2.3	38
13	Facile thermal synthesis of C ₃ N ₄ /ZnO nanocomposite with antibacterial properties for photodegradation of Methylene blue. <i>Materials Research Express</i> , 2021, 8, 125002.	0.8	16
14	Synthesis and Characterisation of semi-interpenetrating network of Polycaprolactone/polyethylene glycol diacrylate/zeolite-CuO as wound dressing. <i>Materials Technology</i> , 2020, 35, 290-299.	1.5	17
15	Synthesis, characterization, and in vitro toxicity evaluation of upconversion luminescence NaLuF ₄ :Yb ³⁺ /Tm ³⁺ nanoparticles suitable for medical applications. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 720-731.	0.8	8
16	Synthesis and characterization of nano-ceramic pigment Co _{0.5} Zn _{0.5} Al ₂ O ₄ via polyacrylamide gel method. <i>Pigment and Resin Technology</i> , 2020, 49, 189-195.	0.5	2
17	Synthesis and photoluminescence properties of nanoporous anodic aluminum oxide (NAAO): Sm ³⁺ nanocomposite layer: Effect of anodizing parameters (time and voltage), Sm ³⁺ concentrations, and annealing temperatures. <i>Optical Materials</i> , 2020, 102, 109821.	1.7	1
18	Mg _{0.5} Ni _{0.5} Fe ₂ O ₄ nanoparticles as heating agents for hyperthermia treatment. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2752-2760.	1.9	11

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19	Nitrogen Fixation: Photo(electro)catalytic Nitrogen Fixation: Problems and Possibilities (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Over	1.9	37
20	Nanostructured magnetic Mg ₂ SiO ₄ -CoFe ₂ O ₄ composite scaffold with multiple capabilities for bone tissue regeneration. Materials Science and Engineering C, 2019, 99, 83-95.	3.8	49
21	Multifunctional mesoporous magnetic Mg ₂ SiO ₄ @CuFe ₂ O ₄ core-shell nanocomposite for simultaneous bone cancer therapy and regeneration. Ceramics International, 2019, 45, 19481-19488.	2.3	37
22	Synthesis of Fe ₂ O ₃ /Pt/Au nanocomposite immobilized on g-C ₃ N ₄ for localized plasmon photocatalytic hydrogen evolution. Applied Surface Science, 2019, 489, 741-754.	3.1	51
23	Polycrystalline infrared-transparent MgO fabricated by spark plasma sintering. Ceramics International, 2019, 45, 18943-18950.	2.3	23
24	Design development of (Ba _{1-x} Cax)(Ti _{1-y} Sny)O ₃ lead-free piezo ceramic by two manufacturing methods of CSS and SPS, promising for delamination damage detection. Journal of Alloys and Compounds, 2019, 795, 197-206.	2.8	3
25	Photo(electro)catalytic Nitrogen Fixation: Problems and Possibilities. Advanced Materials Interfaces, 2019, 6, 1900091.	1.9	76
26	Facile synthesis and investigation of NiO@ZnO@Ag nanocomposites as efficient photocatalysts for degradation of methylene blue dye. Ceramics International, 2019, 45, 14934-14942.	2.3	59
27	Cavitation erosion behavior of super-hydrophobic coatings on Al5083 marine aluminum alloy. Wear, 2019, 424-425, 122-132.	1.5	32
28	Comparing Morphology and Corrosion Behavior of Nanostructured Coatings Obtained via Plasma Electrolytic Oxidation with Direct and Pulse Currents on Commercial Titanium Substrate. Surface Engineering and Applied Electrochemistry, 2019, 55, 667-678.	0.3	3
29	Electrophoretically deposited mesoporous magnesium silicate with ordered nanopores as an antibiotic-loaded coating on surface-modified titanium. Materials Science and Engineering C, 2019, 96, 765-775.	3.8	42
30	Chitosan/MWCNTs composite as bone substitute: Physical, mechanical, bioactivity, and biodegradation evaluation. Polymer Composites, 2019, 40, E1622.	2.3	53
31	Copper-substituted spinel Zn-Mg ferrite nanoparticles as potential heating agents for hyperthermia. Journal of the American Ceramic Society, 2018, 101, 3649-3661.	1.9	34
32	Sol-gel synthesis and luminescence properties of Ba ₂ SiO ₄ :Sm ³⁺ nanostructured phosphors. Ceramics International, 2018, 44, 10169-10174.	2.3	27
33	Mechanochemical self-explosive synthesis and characterization of Mo-V ₂ C nanocomposite. Ceramics International, 2018, 44, 5447-5452.	2.3	5
34	Synthesis of nanoporous Baghdadite by a modified sol-gel method and its structural and controlled release properties. Ceramics International, 2018, 44, 13951-13958.	2.3	19
35	Microemulsion synthesis of ZnO@ZnWO ₄ nanoparticles for superior photodegradation of organic dyes in water. Journal of Materials Science: Materials in Electronics, 2018, 29, 2384-2391.	1.1	21
36	Synthesis and Characterization of Folate-decorated Cobalt Ferrite Nanoparticles Coated with Poly(Ethylene Glycol) for Biomedical Applications. Journal of the Chinese Chemical Society, 2018, 65, 231-242.	0.8	19

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37	Microemulsion synthesis, optical and photocatalytic properties of vanadium-doped nano ZnO. International Journal of Applied Ceramic Technology, 2018, 15, 479-488.	1.1	14
38	Sol-gel synthesis and characterization of TiO ₂ -CdO-Ag nanocomposite with superior photocatalytic efficiency. Ceramics International, 2018, 44, 4292-4297.	2.3	37
39	Effects of strontium adding on the drug delivery behavior of silica nanoparticles synthesized by P123-assisted sol-gel method. Materials Chemistry and Physics, 2018, 205, 283-291.	2.0	38
40	Fabrication of Superhydrophobic Al5083 Aluminum Alloy for Marine Applications. Protection of Metals and Physical Chemistry of Surfaces, 2018, 54, 899-908.	0.3	12
41	Sol-gel synthesis and photocatalytic activity of ZnO-Ag-Sm nanoparticles for water treatment. Journal of Materials Science: Materials in Electronics, 2018, 29, 10986-10991.	1.1	6
42	Surfactant-assisted sol-gel synthesis and characterization of hierarchical nanoporous merwinite with controllable drug release. Journal of Sol-Gel Science and Technology, 2018, 87, 618-625.	1.1	19
43	Low temperature synthesis of Cr ₇ C ₃ -V ₈ C ₇ -MgCr ₂ O ₄ nanocomposite via a magnesiothermic-assisted mechanochemical method. Ceramics International, 2018, 44, 21437-21441.	2.3	1
44	Influence of modified CNT-Ag nanocomposite addition on photocatalytic degradation of methyl orange by mesoporous TiO ₂ . Inorganic and Nano-Metal Chemistry, 2017, 47, 1168-1174.	0.9	16
45	In situ reverse co-precipitation synthesis and magnetic properties of CuO/CuFe ₂ O ₄ nanocomposite. Journal of Sol-Gel Science and Technology, 2017, 83, 124-131.	1.1	8
46	The effect of synthesis medium on structure and drug delivery behavior of CTAB-assisted sol-gel derived nanoporous calcium-magnesium-silicate. Journal of Sol-Gel Science and Technology, 2017, 83, 229-236.	1.1	22
47	Electrophoretic-deposited hydroxyapatite-copper nanocomposite as an antibacterial coating for biomedical applications. Surface and Coatings Technology, 2017, 321, 171-179.	2.2	103
48	Synthesis and characterization of Cu _{0.3} Zn _{0.5} Mg _{0.2} Fe ₂ O ₄ nanoparticles as a magnetic drug delivery system. Journal of Magnetism and Magnetic Materials, 2017, 439, 67-75.	1.0	47
49	Synthesis, characterization, and magnetic properties of ZnO-ZnFe ₂ O ₄ nanoparticles with high photocatalytic activity. Journal of Magnetism and Magnetic Materials, 2017, 441, 98-104.	1.0	61
50	Synthesis and characterization of nano Ce doped ZnO/Î ³ -Al ₂ O ₃ with improved photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2017, 28, 9528-9534.	1.1	13
51	Spark plasma sintering of forsterite nanopowder and mechanical properties of sintered materials. Ceramics International, 2017, 43, 15714-15718.	2.3	14
52	ZnO-CdO nanocomposite: microemulsion synthesis and dye removal ability. Journal of Sol-Gel Science and Technology, 2017, 81, 475-482.	1.1	16
53	Effects of PACVD parameters including pulsed direct current and deposition time on nanostructured carbon coating deposited on carbon fiber fabrics. Materials and Design, 2016, 106, 184-194.	3.3	13
54	Synthesis of ZnO/CuO nanocomposite immobilized on Î ³ -Al ₂ O ₃ and application for removal of methyl orange. Applied Surface Science, 2016, 384, 237-243.	3.1	78

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55	In situ synthesis of vanadium carbide-copper nanocomposite by a modified mechanochemical combustion method. <i>Ceramics International</i> , 2016, 42, 9371-9374.	2.3	16
56	The high efficiency of Al ₂ O ₃ -SiO ₂ -CuO nanocomposites as an adsorbent: synthesis and dye removal efficiency. <i>Research on Chemical Intermediates</i> , 2016, 42, 4999-5011.	1.3	13
57	Synthesis, functionalization, characterization, and in vitro evaluation of robust pH-sensitive CFNs-PA-CaCO ₃ . <i>RSC Advances</i> , 2016, 6, 84217-84230.	1.7	12
58	Ordered mesoporous magnesium silicate with uniform nanochannels as a drug delivery system: The effect of calcination temperature on drug delivery rate. <i>Ceramics International</i> , 2016, 42, 17185-17191.	2.3	48
59	Synthesis of SrAl ₂ O ₄ :Sm nanopowder using reverse microemulsion and polyacrylamide gel methods: a comparison study of size, structural and photoluminescence properties. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 560-566.	1.1	5
60	In situ microemulsion synthesis of hydroxyapatite-MgFe ₂ O ₄ nanocomposite as a magnetic drug delivery system. <i>Materials Science and Engineering C</i> , 2016, 68, 774-779.	3.8	106
61	Nanostructured CuAl ₂ O ₄ : Co-precipitation synthesis, optical and photocatalytic properties. <i>Ceramics International</i> , 2016, 42, 14121-14125.	2.3	52
62	Investigation on mechanochemical combustion behavior of Mg-V ₂ O ₅ -Co ₃ O ₄ -C reactive system to synthesize VC-Co nanocomposite powder. <i>Ceramics International</i> , 2016, 42, 7210-7215.	2.3	1
63	Fast mechanochemical combustion synthesis of nanostructured vanadium boride by a magnesiothermic reaction. <i>Ceramics International</i> , 2016, 42, 1812-1816.	2.3	20
64	Synthesis and magnetic properties of NiFe ₂ xSmxO ₄ nanopowder. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 410, 242-247.	1.0	45
65	Failure analysis of drill pipe: A review. <i>Engineering Failure Analysis</i> , 2016, 59, 605-623.	1.8	78
66	Surfactant-assisted sol-gel synthesis of forsterite nanoparticles as a novel drug delivery system. <i>Materials Science and Engineering C</i> , 2016, 58, 737-741.	3.8	47
67	MoO ₃ fibers and belts: Molten salt synthesis, characterization and optical properties. <i>Ceramics International</i> , 2015, 41, 10839-10843.	2.3	57
68	Microemulsion synthesis and magnetic properties of hydroxyapatite-encapsulated nano CoFe ₂ O ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 382, 182-187.	1.0	66
69	A designed magnetic CoFe ₂ O ₄ -hydroxyapatite core-shell nanocomposite for Zn(II) removal with high efficiency. <i>Ceramics International</i> , 2015, 41, 6844-6850.	2.3	53
70	Sol-gel synthesis of Mn ₂ O ₃ /Al ₂ O ₃ /SiO ₂ hybrid nanocomposite and application for removal of organic dye. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 9-13.	1.1	35
71	Fast synthesis of VC and V ₂ C nanopowders by the mechanochemical combustion method. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015, 51, 1-5.	1.7	21
72	A low temperature mechanochemical synthesis of nanostructured ZrC powder by a magnesiothermic reaction. <i>Ceramics International</i> , 2015, 41, 8397-8401.	2.3	22

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73	Effect of heat treatment on the size, structural and catalytic properties of Al ₂ O ₃ –CeO ₂ nanocomposite powder prepared by microemulsion method. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 75, 360-365.	1.1	7
74	Synthesis and characterization of Al ₂ O ₃ –SiO ₂ –MgO nanocomposite prepared by sol–gel process as an efficient catalyst for the Knoevenagel condensation of aldehydes with malononitrile. <i>Research on Chemical Intermediates</i> , 2015, 41, 6625-6633.	1.3	6
75	Microwave dielectric properties and chemical compatibility with silver electrode of Li ₂ TiO ₃ ceramic with Li ₂ O–ZnO–B ₂ O ₃ glass additive. <i>Physica B: Condensed Matter</i> , 2015, 457, 57-61.	1.3	15
76	Reverse microemulsion synthesis and characterization of CaSnO ₃ nanoparticles. <i>Ceramics International</i> , 2014, 40, 9609-9613.	2.3	42
77	Low temperature cofirable Li ₂ Zn ₃ Ti ₄ O ₁₂ microwave dielectric ceramic with Li ₂ O–ZnO–B ₂ O ₃ glass additive. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 355-360.	1.1	26
78	Microwave dielectric properties of Li ₂ ZnTi ₃ O ₈ ceramics prepared by reaction-sintering process. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 1117-1121.	1.1	22
79	Characterization of Ba ²⁺ -added alumina/cobalt nanoceramic pigment prepared by polyacrylamide gel method. <i>Ceramics International</i> , 2014, 40, 11877-11881.	2.3	18
80	Preparation of CoAl ₂ O ₄ nanoblue pigment via polyacrylamide gel method. <i>Powder Technology</i> , 2014, 266, 236-239.	2.1	69
81	Influence of Mn ₂ O ₃ content on the textural and catalytic properties of Mn ₂ O ₃ /Al ₂ O ₃ /SiO ₂ nanocatalyst. <i>Ceramics International</i> , 2014, 40, 16177-16181.	2.3	25
82	Reverse microemulsion synthesis of CeO ₂ nanopowder using polyoxyethylene(23)lauryl ether as a surfactant. <i>Ceramics International</i> , 2014, 40, 8687-8692.	2.3	38
83	A new temperature stable microwave dielectric ceramic with low-sintering temperature in Li ₂ TiO ₃ –Li ₂ Zn ₃ Ti ₄ O ₁₂ system. <i>Journal of Alloys and Compounds</i> , 2014, 597, 161-166.	2.8	38
84	Effect of surfactants on the synthesis of Al ₂ O ₃ –CeO ₂ nanocomposite using a reverse microemulsion method. <i>Ceramics International</i> , 2014, 40, 4933-4937.	2.3	30
85	In-situ fabrication of Al ₂ O ₃ –SiC nanocomposites using B ₂ O ₃ as sintering aid. <i>Ceramics International</i> , 2013, 39, 3931-3938.	2.3	9
86	Polyacrylamide gel synthesis and sintering of Mg ₂ SiO ₄ :Eu ³⁺ nanopowder. <i>Ceramics International</i> , 2013, 39, 6313-6317.	2.3	33
87	Synthesis and luminescence properties of YAG:Ce nanopowder prepared by the Pechini method. <i>Advanced Powder Technology</i> , 2012, 23, 324-327.	2.0	51
88	Synthesis and sintering of YAG:Eu nanopowder. <i>Journal of the European Ceramic Society</i> , 2012, 32, 2965-2969.	2.8	7
89	Optimization of the synthesis parameters of high surface area ceria nanopowder prepared by surfactant assisted precipitation method. <i>Applied Surface Science</i> , 2011, 257, 10595-10600.	3.1	27
90	Low temperature synthesis and luminescence properties of YAG: Eu nanopowders prepared by modified sol-gel method. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 2443-2447.	1.7	32

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91	The Compaction, Sintering, and Mechanical Properties of $\text{Al}_2\text{O}_3\text{-CeO}_2$ Composite Nanopowders. Journal of the American Ceramic Society, 2011, 94, 3488-3493.	1.9	6
92	Polymer-assisted synthesis and luminescence properties of $\text{MgAl}_2\text{O}_4\text{:Tb}$ nanopowder. Optical Materials, 2011, 33, 1607-1609.	1.7	18
93	Modeling and optimization of densification of nanocrystalline Al_2O_3 powder prepared by a sol-gel method using response surface methodology. Journal of Sol-Gel Science and Technology, 2011, 57, 212-220.	1.1	8
94	Synthesis of high surface area $\text{Al}_2\text{O}_3\text{-CeO}_2$ composite nanopowder via inverse co-precipitation method. Ceramics International, 2011, 37, 1251-1257.	2.3	25
95	Reverse precipitation synthesis and characterization of CeO_2 nanopowder. Journal of Alloys and Compounds, 2010, 491, 499-502.	2.8	97
96	Sol-gel synthesis and characterization of $\text{Al}_2\text{O}_3\text{-CeO}_2$ composite nanopowder. Journal of Alloys and Compounds, 2010, 494, 289-294.	2.8	26
97	Compressibility and sinterability of $\text{Al}_2\text{O}_3\text{-YAG}$ nanocomposite powder synthesized by an aqueous sol-gel method. Journal of Alloys and Compounds, 2010, 506, 640-644.	2.8	18
98	Effect of cobalt oxide on the sintering and grain growth of $\text{Al}_2\text{O}_3\text{-YAG}$ composite nanopowder. Science of Sintering, 2010, 42, 321-328.	0.5	4
99	Economical synthesis of Al_2O_3 nanopowder using a precipitation method. Materials Letters, 2009, 63, 2274-2276.	1.3	33
100	Hot pressing of nanocrystalline zinc oxide compacts: Densification and grain growth during sintering. Ceramics International, 2009, 35, 991-995.	2.3	34
101	Nanocrystalline ceramic coating on TiAl by bipolar plasma electrolysis (effect of frequency, time and) T_j ETQq1 1 0.784314 $\mu\text{gBT}/\text{Over}$	2.3	17
102	Effects of Milling and Calcination Temperature on the Compressibility and Sinterability of a Nanocrystalline $\text{Al}_2\text{O}_3\text{-Y}_3\text{Al}_5\text{O}_{12}$ Composite Powder. Journal of the American Ceramic Society, 2008, 91, 3546-3551.	1.9	24
103	Synthesis of an alumina-YAG nanopowder via sol-gel method. Journal of Alloys and Compounds, 2008, 456, 282-285.	2.8	73