# Sa Hassanzadeh-Tabrizi

List of Publications by Year
in descending order

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|---|---|---|---|
| 103 papers | 2,927 citations | 126907 33 h-index | 214800 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. Materials Technology, 2022, 37, 1220-1229. | 3.0 | 16 |
| 2 | Facile synthesis of Zn0.5Ni0.5Fe2O4/carbon nanocomposite for hyperthermia and drug delivery applications. Diamond and Related Materials, 2022, 125, 108993. | 3.9 | 6 |
| 3 | Poly(methyl methacrylate) bone cement, its rise, growth, downfall and future. Polymer International, 2021, 70, 1182-1201. | 3.1 | 36 |
| 4 | Synthesis of the novel CuAl2O4â€“Al2O3â€“SiO2 nanocomposites for the removal of pollutant dye and antibacterial applications. Research on Chemical Intermediates, 2021, 47, 599-614. | 2.7 | 2 |
| 5 | Novel synthesis of nickel ferrite magnetic nanoparticles by an inâ€liquid plasma. Journal of Materials Science: Materials in Electronics, 2021, 32, 10424-10442. | 2.2 | 10 |
| 6 | Optimization of magnesia sintering parameters fabricated by spark plasma sintering method for infrared transparency. Materials Research Express, 2021, 8, 065002. | 1.6 | 0 |
| 7 | Synthesis of mesoporous cobalt ferrite/hydroxyapatite core-shell nanocomposite for magnetic hyperthermia and drug release applications. Ceramics International, 2021, 47, 18167-18176. | 4.8 | 55 |
| 8 | Polyacrylamide gel synthesis, characterization, and optical properties of Co1-xNixCr2O4 spinel nanopigment. Journal of Sol-Gel Science and Technology, 2021, 99, 534-545. | 2.4 | 6 |
| 9 | Magnetic chitosan nanocomposites for simultaneous hyperthermia and drug delivery applications: A review. International Journal of Biological Macromolecules, 2021, 184, 618-635. | 7.5 | 27 |
| 10 | Synthesis of NiFe2O4/Ag nanoparticles immobilized on mesoporous g-C3N4 sheets and application for degradation of antibiotics. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113398. | 3.9 | 22 |
| 11 | Two- stage synthesis of SnO2-Ag/MgFe2O4 nanocomposite for photocatalytic application. Surfaces and Interfaces, 2021, 26, 101326. | 3.0 | 5 |
| 12 | Synthesis of mesoporous CuFe2O4@SiO2 core-shell nanocomposite for simultaneous drug release and hyperthermia applications. Ceramics International, 2021, 47, 30287-30297. | 4.8 | 38 |
| 13 | Facile thermal synthesis of gâ€“C<sub>3</sub>N<sub>4</sub>/ZnO nanocomposite with antibacterial properties for photodegradation of Methylene blue. Materials Research Express, 2021, 8, 125002. | 1.6 | 16 |
| 14 | Synthesis and Characterisation of semi-interpenetrating network of Polycaprolactone/polyethylene glycol diacrylate/zeolite-CuO as wound dressing. Materials Technology, 2020, 35, 290-299. | 3.0 | 17 |
| 15 | Synthesis, characterization, and in vitro toxicity evaluation of upconversion luminescence NaLuF<sub>4</sub>:Yb<sup>3+</sup>/Tm<sup>3+</sup> nanoparticles suitable for medical applications. Journal of the Chinese Chemical Society, 2020, 67, 720-731. | 1.4 | 8 |
| 16 | Synthesis and characterization of nano-ceramic pigment Co<sub>0.5</sub>Zn<sub>0.5</sub>Al<sub>2</sub>O<sub>4</sub> via polyacrylamide gel method. Pigment and Resin Technology, 2020, 49, 189-195. | 0.9 | 2 |
| 17 | Synthesis and photoluminescence properties of nanoporous anodic aluminum oxide (NAAO): Sm3+ nanocomposite layer: Effect of anodizing parameters (time and voltage), Sm3+ concentrations, and annealing temperatures. Optical Materials, 2020, 102, 109821. | 3.6 | 1 |
| 18 | Mg<sub>0.5</sub>Ni<sub>0.5</sub>Fe<sub>2</sub>O<sub>4</sub> nanoparticles as heating agents for hyperthermia treatment. Journal of the American Ceramic Society, 2019, 102, 2752-2760. | 3.8 | 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 | 3.7 | 3 |
| 20 | Nanostructured magnetic Mg2SiO4-CoFe2O4 composite scaffold with multiple capabilities for bone tissue regeneration. Materials Science and Engineering C, 2019, 99, 83-95. | 7.3 | 49 |
| 21 | Multifunctional mesoporous magnetic Mg2SiO4â€“CuFe2O4 core-shell nanocomposite for simultaneous bone cancer therapy and regeneration. Ceramics International, 2019, 45, 19481-19488. | 4.8 | 37 |
| 22 | Synthesis of Fe2O3/Pt/Au nanocomposite immobilized on g-C3N4 for localized plasmon photocatalytic hydrogen evolution. Applied Surface Science, 2019, 489, 741-754. | 6.1 | 51 |
| 23 | Polycrystalline infrared-transparent MgO fabricated by spark plasma sintering. Ceramics International, 2019, 45, 18943-18950. | 4.8 | 23 |
| 24 | Design development of (Ba1-xCax)(Ti1-ySny)O3 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. | 5.5 | 3 |
| 25 | Photo(electro)catalytic Nitrogen Fixation: Problems and Possibilities. Advanced Materials Interfaces, 2019, 6, 1900091. | 3.7 | 76 |
| 26 | Facile synthesis and investigation of NiOâ€“ZnOâ€“Ag nanocomposites as efficient photocatalysts for degradation of methylene blue dye. Ceramics International, 2019, 45, 14934-14942. | 4.8 | 59 |
| 27 | Cavitation erosion behavior of super-hydrophobic coatings on Al5083 marine aluminum alloy. Wear, 2019, 424-425, 122-132. | 3.1 | 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. | 0.8 | 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. | 7.3 | 42 |
| 30 | Chitosan/MWCNTs composite as bone substitute: Physical, mechanical, bioactivity, and biodegradation evaluation. Polymer Composites, 2019, 40, E1622. | 4.6 | 53 |
| 31 | Copperâ€substituted spinel Znâ€Mg ferrite nanoparticles as potential heating agents for hyperthermia. Journal of the American Ceramic Society, 2018, 101, 3649-3661. | 3.8 | 34 |
| 32 | Sol-gel synthesis and luminescence properties of Ba 2 SiO 4 :Sm 3+ nanostructured phosphors. Ceramics International, 2018, 44, 10169-10174. | 4.8 | 27 |
| 33 | Mechanochemical self-explosive synthesis and characterization of Mo-V2C nanocomposite. Ceramics International, 2018, 44, 5447-5452. | 4.8 | 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. | 4.8 | 19 |
| 35 | Microemulsion synthesis of ZnOâ€“ZnWO4 nanoparticles for superior photodegradation of organic dyes in water. Journal of Materials Science: Materials in Electronics, 2018, 29, 2384-2391. | 2.2 | 21 |
| 36 | Synthesis and Characterization of Folateâ€decorated Cobalt Ferrite Nanoparticles Coated with Poly(Ethylene Glycol) for Biomedical Applications. Journal of the Chinese Chemical Society, 2018, 65, 231-242. | 1.4 | 19 |

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|---|---|---|---|
| 37 | Microemulsion synthesis, optical and photocatalytic properties of vanadiumâ€doped nano ZnO. International Journal of Applied Ceramic Technology, 2018, 15, 479-488. | 2.1 | 14 |
| 38 | Sol-gel synthesis and characterization of TiO2-CdO-Ag nanocomposite with superior photocatalytic efficiency. Ceramics International, 2018, 44, 4292-4297. | 4.8 | 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. | 4.0 | 38 |
| 40 | Fabrication of Superhydrophobic Al5083 Aluminum Alloy for Marine Applications. Protection of Metals and Physical Chemistry of Surfaces, 2018, 54, 899-908. | 1.1 | 12 |
| 41 | Solâ€“gel synthesis and photocatalytic activity of ZnOâ€“Agâ€“Sm nanoparticles for water treatment. Journal of Materials Science: Materials in Electronics, 2018, 29, 10986-10991. | 2.2 | 6 |
| 42 | Surfactant-assisted solâ€“gel synthesis and characterization of hierarchical nanoporous merwinite with controllable drug release. Journal of Sol-Gel Science and Technology, 2018, 87, 618-625. | 2.4 | 19 |
| 43 | Low temperature synthesis of Cr7C3-V8C7-MgCr2O4 nanocomposite via a magnesiothermic-assisted mechanochemical method. Ceramics International, 2018, 44, 21437-21441. | 4.8 | 1 |
| 44 | Influence of modified CNT-Ag nanocomposite addition on photocatalytic degradation of methyl orange by mesoporous TiO<sub>2</sub>. Inorganic and Nano-Metal Chemistry, 2017, 47, 1168-1174. | 1.6 | 16 |
| 45 | In situ reverse co-precipitation synthesis and magnetic properties of CuO/CuFe2O4 nanocomposite. Journal of Sol-Gel Science and Technology, 2017, 83, 124-131. | 2.4 | 8 |
| 46 | The effect of synthesis medium on structure and drug delivery behavior of CTAB-assisted solâ€“gel derived nanoporous calciumâ€“magnesiumâ€“silicate. Journal of Sol-Gel Science and Technology, 2017, 83, 229-236. | 2.4 | 22 |
| 47 | Electrophoretic-deposited hydroxyapatite-copper nanocomposite as an antibacterial coating for biomedical applications. Surface and Coatings Technology, 2017, 321, 171-179. | 4.8 | 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. | 2.3 | 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. | 2.3 | 61 |
| 50 | Synthesis and characterization of nano Ce doped ZnO/Î³-Al2O3 with improved photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2017, 28, 9528-9534. | 2.2 | 13 |
| 51 | Spark plasma sintering of forsterite nanopowder and mechanical properties of sintered materials. Ceramics International, 2017, 43, 15714-15718. | 4.8 | 14 |
| 52 | ZnOâ€“CdO nanocomposite: microemulsion synthesis and dye removal ability. Journal of Sol-Gel Science and Technology, 2017, 81, 475-482. | 2.4 | 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. | 7.0 | 13 |
| 54 | Synthesis of ZnO/CuO nanocomposite immobilized on Î³-Al2O3 and application for removal of methyl orange. Applied Surface Science, 2016, 384, 237-243. | 6.1 | 78 |

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|---|---|---|---|
| 55 | In situ synthesis of vanadium carbideâ€“copper nanocomposite by a modified mechanochemical combustion method. Ceramics International, 2016, 42, 9371-9374. | 4.8 | 16 |
| 56 | The high efficiency of Al2O3â€“SiO2â€“CuO nanocomposites as an adsorbent: synthesis and dye removal efficiency. Research on Chemical Intermediates, 2016, 42, 4999-5011. | 2.7 | 13 |
| 57 | Synthesis, functionalization, characterization, and in vitro evaluation of robust pH-sensitive CFNsâ€“PAâ€“CaCO<sub>3</sub>. RSC Advances, 2016, 6, 84217-84230. | 3.6 | 12 |
| 58 | Ordered mesoporous magnesium silicate with uniform nanochannels as a drug delivery system: The effect of calcination temperature on drug delivery rate. Ceramics International, 2016, 42, 17185-17191. | 4.8 | 48 |
| 59 | Synthesis of SrAl2O4:Sm nanopowder using reverse microemulsion and polyacrylamide gel methods: a comparison study of size, structural and photoluminescence properties. Journal of Sol-Gel Science and Technology, 2016, 80, 560-566. | 2.4 | 5 |
| 60 | In situ microemulsion synthesis of hydroxyapatite-MgFe2O4 nanocomposite as a magnetic drug delivery system. Materials Science and Engineering C, 2016, 68, 774-779. | 7.3 | 106 |
| 61 | Nanostructured CuAl2O4: Co-precipitation synthesis, optical and photocatalytic properties. Ceramics International, 2016, 42, 14121-14125. | 4.8 | 52 |
| 62 | Investigation on mechanochemical combustion behavior of Mgâ€“V 2 O 5 â€“Co 3 O 4 -C reactive system to synthesize VCâ€“Co nanocomposite powder. Ceramics International, 2016, 42, 7210-7215. | 4.8 | 1 |
| 63 | Fast mechanochemical combustion synthesis of nanostructured vanadium boride by a magnesiothermic reaction. Ceramics International, 2016, 42, 1812-1816. | 4.8 | 20 |
| 64 | Synthesis and magnetic properties of NiFe2â^'xSmxO4 nanopowder. Journal of Magnetism and Magnetic Materials, 2016, 410, 242-247. | 2.3 | 45 |
| 65 | Failure analysis of drill pipe: A review. Engineering Failure Analysis, 2016, 59, 605-623. | 4.0 | 78 |
| 66 | Surfactant-assisted solâ€“gel synthesis of forsterite nanoparticles as a novel drug delivery system. Materials Science and Engineering C, 2016, 58, 737-741. | 7.3 | 47 |
| 67 | MoO3 fibers and belts: Molten salt synthesis, characterization and optical properties. Ceramics International, 2015, 41, 10839-10843. | 4.8 | 57 |
| 68 | Microemulsion synthesis and magnetic properties of hydroxyapatite-encapsulated nano CoFe2O4. Journal of Magnetism and Magnetic Materials, 2015, 382, 182-187. | 2.3 | 66 |
| 69 | A designed magnetic CoFe2O4â€“hydroxyapatite coreâ€“shell nanocomposite for Zn(II) removal with high efficiency. Ceramics International, 2015, 41, 6844-6850. | 4.8 | 53 |
| 70 | Solâ€“gel synthesis of Mn2O3/Al2O3/SiO2 hybrid nanocomposite and application for removal of organic dye. Journal of Sol-Gel Science and Technology, 2015, 73, 9-13. | 2.4 | 35 |
| 71 | Fast synthesis of VC and V2C nanopowders by the mechanochemical combustion method. International Journal of Refractory Metals and Hard Materials, 2015, 51, 1-5. | 3.8 | 21 |
| 72 | A low temperature mechanochemical synthesis of nanostructured ZrC powder by a magnesiothermic reaction. Ceramics International, 2015, 41, 8397-8401. | 4.8 | 22 |

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|---|---|---|---|
| 73 | Effect of heat treatment on the size, structural and catalytic properties of Al2O3â€“CeO2 nanocomposite powder prepared by microemulsion method. Journal of Sol-Gel Science and Technology, 2015, 75, 360-365. | 2.4 | 7 |
| 74 | Synthesis and characterization of Al2O3â€“SiO2â€“MgO nanocomposite prepared by solâ€“gel process as an efficient catalyst for the Knoevenagel condensation of aldehydes with malononitrile. Research on Chemical Intermediates, 2015, 41, 6625-6633. | 2.7 | 6 |
| 75 | Microwave dielectric properties and chemical compatibility with silver electrode of Li2TiO3 ceramic with Li2Oâ€“ZnOâ€“B2O3 glass additive. Physica B: Condensed Matter, 2015, 457, 57-61. | 2.7 | 15 |
| 76 | Reverse microemulsion synthesis and characterization of CaSnO3 nanoparticles. Ceramics International, 2014, 40, 9609-9613. | 4.8 | 42 |
| 77 | Low temperature cofirable Li2Zn3Ti4O12 microwave dielectric ceramic with Li2Oâ€“ZnOâ€“B2O3 glass additive. Journal of Materials Science: Materials in Electronics, 2014, 25, 355-360. | 2.2 | 26 |
| 78 | Microwave dielectric properties of Li2ZnTi3O8 ceramics prepared by reaction-sintering process. Journal of Materials Science: Materials in Electronics, 2014, 25, 1117-1121. | 2.2 | 22 |
| 79 | Characterization of Ba2+-added alumina/cobalt nanoceramic pigment prepared by polyacrylamide gel method. Ceramics International, 2014, 40, 11877-11881. | 4.8 | 18 |
| 80 | Preparation of CoAl2O4 nanoblue pigment via polyacrylamide gel method. Powder Technology, 2014, 266, 236-239. | 4.2 | 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. Ceramics International, 2014, 40, 16177-16181. | 4.8 | 25 |
| 82 | Reverse microemulsion synthesis of CeO2 nanopowder using polyoxyethylene(23)lauryl ether as a surfactant. Ceramics International, 2014, 40, 8687-8692. | 4.8 | 38 |
| 83 | A new temperature stable microwave dielectric ceramic with low-sintering temperature in Li2TiO3â€“Li2Zn3Ti4O12 system. Journal of Alloys and Compounds, 2014, 597, 161-166. | 5.5 | 38 |
| 84 | Effect of surfactants on the synthesis of Al2O3â€“CeO2 nanocomposite using a reverse microemulsion method. Ceramics International, 2014, 40, 4933-4937. | 4.8 | 30 |
| 85 | In-situ fabrication of Al2O3â€“SiC nanocomposites using B2O3 as sintering aid. Ceramics International, 2013, 39, 3931-3938. | 4.8 | 9 |
| 86 | Polyacrylamide gel synthesis and sintering of Mg 2 SiO 4 :Eu 3+ nanopowder. Ceramics International, 2013, 39, 6313-6317. | 4.8 | 33 |
| 87 | Synthesis and luminescence properties of YAG:Ce nanopowder prepared by the Pechini method. Advanced Powder Technology, 2012, 23, 324-327. | 4.1 | 51 |
| 88 | Synthesis and sintering of YAG:Eu nanopowder. Journal of the European Ceramic Society, 2012, 32, 2965-2969. | 5.7 | 7 |
| 89 | Optimization of the synthesis parameters of high surface area ceria nanopowder prepared by surfactant assisted precipitation method. Applied Surface Science, 2011, 257, 10595-10600. | 6.1 | 27 |
| 90 | Low temperature synthesis and luminescence properties of YAG: Eu nanopowders prepared by modified sol-gel method. Transactions of Nonferrous Metals Society of China, 2011, 21, 2443-2447. | 4.2 | 32 |

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|---|---|---|---|
| 91 | The Compaction, Sintering, and Mechanical Properties of <scp>Al<sub>2</sub>O<sub>3</sub>â€“CeO<sub>2</sub></scp> Composite Nanopowders. Journal of the American Ceramic Society, 2011, 94, 3488-3493. | 3.8 | 6 |
| 92 | Polymer-assisted synthesis and luminescence properties of MgAl2O4:Tb nanopowder. Optical Materials, 2011, 33, 1607-1609. | 3.6 | 18 |
| 93 | Modeling and optimization of densification of nanocrystalline Al2O3 powder prepared by a solâ€“gel method using response surface methodology. Journal of Sol-Gel Science and Technology, 2011, 57, 212-220. | 2.4 | 8 |
| 94 | Synthesis of high surface area Al2O3â€“CeO2 composite nanopowder via inverse co-precipitation method. Ceramics International, 2011, 37, 1251-1257. | 4.8 | 25 |
| 95 | Reverse precipitation synthesis and characterization of CeO2 nanopowder. Journal of Alloys and Compounds, 2010, 491, 499-502. | 5.5 | 97 |
| 96 | Solâ€“gel synthesis and characterization of Al2O3â€“CeO2 composite nanopowder. Journal of Alloys and Compounds, 2010, 494, 289-294. | 5.5 | 26 |
| 97 | Compressibility and sinterability of Al2O3â€“YAG nanocomposite powder synthesized by an aqueous solâ€“gel method. Journal of Alloys and Compounds, 2010, 506, 640-644. | 5.5 | 18 |
| 98 | Effect of cobalt oxide on the sintering and grain growth of Al2O3-YAG composite nanopowder. Science of Sintering, 2010, 42, 321-328. | 1.4 | 4 |
| 99 | Economical synthesis of Al2O3 nanopowder using a precipitation method. Materials Letters, 2009, 63, 2274-2276. | 2.6 | 33 |
| 100 | Hot pressing of nanocrystalline zinc oxide compacts: Densification and grain growth during sintering. Ceramics International, 2009, 35, 991-995. | 4.8 | 34 |
| 101 | Nanocrystalline ceramic coating on Î³-TiAl by bipolar plasma electrolysis (effect of frequency, time and) Tj ETQq1 1 0.784314 rgBT /Ov | 4.8 | 17 |
| 102 | Effects of Milling and Calcination Temperature on the Compressibility and Sinterability of a Nanocrystalline Al2O3-Y3Al5O12Composite Powder. Journal of the American Ceramic Society, 2008, 91, 3546-3551. | 3.8 | 24 |
| 103 | Synthesis of an aluminaâ€“YAG nanopowder via solâ€“gel method. Journal of Alloys and Compounds, 2008, 456, 282-285. | 5.5 | 73 |