

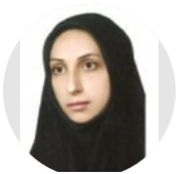
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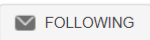
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h-index	56	42
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Member of Editorial Board of International journal of Nano dimension

Research Field

Synthesis of Inorganic nanomaterials and nanocomposite

2 D g-C₃N₄ nanosheets

Photoluminescence of nanoparticle

Drug delivery of Nanomaterial

Biography

Post Doc., Nanochemistry, University of Kashan (2011) Ph.D., Inorganic Chemistry, University of Kashan (2009) M.Sc., Inorganic chemistry, Razi University (2001) B. Sc., Chemistry, University of Kashan (1999)

Honors & Awards

13 th reserchers in Nanotechnology of Iran, 2011

The best Researcher of the year, University of Kashan, 2006

2nd high cited scientist in 2021 and 2019

H-index=56

Collaboration work with Fudan University, Shanghai, Prof. X. fang about self-powered photodetector, 2020

Employment History and Administration Works

2009-2010: Assistant Professor, Institute of nanoscience and nanotechnology, University of Kashan, Iran.

* 2011-2012: Assistant Professor, Department of chemistry, Razi University, Iran.

* 2012-present: Assistant Professor, faculty of chemistry, Isfahan University of technology, Iran.

* 2010-present: Editorial Board of International Journal of Nanodimension (IJND), Iran

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<u>Synthesis of copper and copper (I) oxide nanoparticles by thermal decomposition of a new precursor</u> M Salavati-Niasari, F Davar Materials Letters 63 (3-4), 441-443	<u>469</u>	2009
<u>Nanoparticles Ni and NiO: synthesis, characterization and magnetic properties</u> F Davar, Z Fereshteh, M Salavati-Niasari Journal of Alloys and Compounds 476 (1-2), 797-801	<u>329</u>	2009
<u>Synthesis and characterization of metallic copper nanoparticles via thermal decomposition</u> M Salavati-Niasari, F Davar, N Mir Polyhedron 27 (17), 3514-3518	<u>318</u>	2008
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<u>Synthesis of lanthanum hydroxide and lanthanum oxide nanoparticles by sonochemical method</u> M Salavati-Niasari, G Hosseinzadeh, F Davar Journal of Alloys and Compounds 509 (10), 4098-4103	<u>171</u>	2011
<u>Controllable synthesis of metastable tetragonal zirconia nanocrystals using citric acid assisted sol-gel method</u> F Davar, A Hassankhani, MR Loghman-Estarki Ceramics International 39 (3), 2933-2941	<u>167</u>	2013
<u>Thermal decomposition route for synthesis of Mn₃O₄ nanoparticles in presence of a novel precursor</u> F Davar, M Salavati-Niasari, N Mir, K Saberyan, M Monemzadeh, ... Polyhedron 29 (7), 1747-1753	<u>167</u>	2010
<u>Synthesis and characterization of SnO₂ nanoparticles by thermal decomposition of new inorganic precursor</u> F Davar, M Salavati-Niasari, Z Fereshteh Journal of alloys and compounds 496 (1-2), 638-643	<u>167</u>	2010
<u>Synthesis of nickel and nickel oxide nanoparticles via heat-treatment of simple octanoate precursor</u> M Salavati-Niasari, F Davar, Z Fereshteh Journal of alloys and Compounds 494 (1-2), 410-414	<u>165</u>	2010
<u>Synthesis and characterization of spinel-type CuAl₂O₄ nanocrystalline by modified sol-gel method</u> M Salavati-Niasari, F Davar, M Farhadi Journal of Sol-Gel Science and Technology 51, 48-52	<u>164</u>	2009
<u>Green synthesis of ZnO nanoparticles and its application in the degradation of some dyes</u> F Davar, A Majedi, A Mirzaei Journal of the American Ceramic Society 98 (6), 1739-1746	<u>159</u>	2015
<u>Preparation of Co₃O₄ nanoparticles by nonhydrolytic thermolysis of [Co (Pht)(H₂O)] n polymers</u> F Mohandes, F Davar, M Salavati-Niasari Journal of magnetism and magnetic materials 322 (7), 872-877	<u>159</u>	2010

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<u>Synthesis and characterization of Co₃O₄ nanorods by thermal decomposition of cobalt oxalate</u> M Salavati-Niasari, N Mir, F Davar Journal of Physics and Chemistry of Solids 70 (5), 847-852	<u>159</u>	2009
<u>Magnesium oxide nanocrystals via thermal decomposition of magnesium oxalate</u> F Mohandes, F Davar, M Salavati-Niasari Journal of Physics and Chemistry of Solids 71 (12), 1623-1628	<u>158</u>	2010
<u>A novel precursor in preparation and characterization of nickel oxide nanoparticles via thermal decomposition approach</u> M Salavati-Niasari, N Mir, F Davar Journal of Alloys and Compounds 493 (1-2), 163-168	<u>157</u>	2010
<u>Synthesis of oleylamine capped copper nanocrystals via thermal reduction of a new precursor</u> M Salavati-Niasari, Z Fereshteh, F Davar Polyhedron 28 (1), 126-130	<u>156</u>	2009
<u>Preparation of ZnO nanoparticles from [bis (acetylacetonato) zinc (II)]–oleylamine complex by thermal decomposition</u> M Salavati-Niasari, F Davar, M Mazaheri Materials Letters 62 (12-13), 1890-1892	<u>153</u>	2008
<u>ZnO nanotriangles: Synthesis, characterization and optical properties</u> M Salavati-Niasari, N Mir, F Davar Journal of alloys and compounds 476 (1-2), 908-912	<u>152</u>	2009
<u>Synthesis and characterization of NiO nanoclusters via thermal decomposition</u> M Salavati-Niasari, N Mir, F Davar Polyhedron 28 (6), 1111-1114	<u>152</u>	2009
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<u>Preparation of ZnO nanoflowers and Zn glycerolate nanoplates using inorganic precursors via a convenient rout and application in dye sensitized solar cells</u> N Mir, M Salavati-Niasari, F Davar Chemical Engineering Journal 181, 779-789	<u>148</u>	2012

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Synthesis and characterization of spinel-type zinc aluminate nanoparticles by a modified sol–gel method using new precursor F Davar, M Salavati-Niasari Journal of Alloys and Compounds 509 (5), 2487-2492	140	2011
Controllable synthesis of nanocrystalline CdS with different morphologies by hydrothermal process in the presence of thioglycolic acid M Salavati-Niasari, MR Loghman-Estarki, F Davar Chemical Engineering Journal 145 (2), 346-350	140	2008

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<u>Synthesis of Mn₃O₄ nanoparticles by thermal decomposition of a [bis (salicylidiminato) manganese (II)] complex</u> M Salavati-Niasari, F Davar, M Mazaheri Polyhedron 27 (17), 3467-3471	<u>139</u>	2008
<u>Nanosphericals and nanobundles of ZnO: Synthesis and characterization</u> M Salavati-Niasari, F Davar, A Khansari Journal of Alloys and Compounds 509 (1), 61-65	<u>137</u>	2011
<u>Synthesis of star-shaped PbS nanocrystals using single-source precursor</u> M Salavati-Niasari, A Sobhani, F Davar Journal of Alloys and Compounds 507 (1), 77-83	<u>137</u>	2010
<u>Preparation of NiO nanoparticles from metal-organic frameworks via a solid-state decomposition route</u> M Salavati-Niasari, F Mohandes, F Davar, M Mazaheri, M Monemzadeh, ... Inorganica chimica acta 362 (10), 3691-3697	<u>137</u>	2009
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<u>Controllable synthesis of thioglycolic acid capped ZnS (Pn) 0.5 nanotubes via simple aqueous solution route at low temperatures and conversion to wurtzite ZnS nanorods via ...</u> M Salavati-Niasari, F Davar, MR Loghman-Estarki Journal of alloys and compounds 494 (1-2), 199-204	<u>136</u>	2010
<u>In situ one-pot template synthesis (IOPTS) and characterization of copper (II) complexes of 14-membered hexaaza macrocyclic ligand "3, 10-dialkyl-dibenzo-1, 3, 5, 8, 10, 12 ...</u> M Salavati-Niasari, F Davar Inorganic Chemistry Communications 9 (2), 175-179	<u>136</u>	2006
<u>Modified single-phase hematite nanoparticles via a facile approach for large-scale synthesis</u> E Esmaeili, M Salavati-Niasari, F Mohandes, F Davar, H Seyghalkar Chemical engineering journal 170 (1), 278-285	<u>135</u>	2011
<u>Synthesis of different morphologies of bismuth sulfide nanostructures via hydrothermal process in the presence of thioglycolic acid</u>	<u>135</u>	2009

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M Salavati-Niasari, D Ghanbari, F Davar Journal of Alloys and Compounds 488 (1), 442-447		
<u>Synthesis and characterization of ZnS nanoclusters via hydrothermal processing from [bis (salicylidene) zinc (II)]</u> M Salavati-Niasari, F Davar, M Mazaheri Journal of alloys and compounds 470 (1-2), 502-506	<u>135</u>	2009
<u>Preparation of PbO nanocrystals via decomposition of lead oxalate</u> M Salavati-Niasari, F Mohandes, F Davar Polyhedron 28 (11), 2263-2267	<u>134</u>	2009
<u>Shape selective hydrothermal synthesis of tin sulfide nanoflowers based on nanosheets in the presence of thioglycolic acid</u> M Salavati-Niasari, F Davar Journal of alloys and compounds 492 (1-2), 570-575	<u>120</u>	2010
<u>Pure cubic ZrO₂ nanoparticles by thermolysis of a new precursor</u> M Salavati-Niasari, M Dadkhah, F Davar Polyhedron 28 (14), 3005-3009	<u>97</u>	2009
<u>Green synthesis of zirconia nanoparticles using the modified Pechini method and characterization of its optical and electrical properties</u> A Majedi, A Abbasi, F Davar Journal of Sol-Gel Science and Technology 77, 542-552	<u>90</u>	2016
<u>Green synthesis of zinc oxide nanoparticles and their effect on the stability and activity of proteinase K</u> MH Koupaei, B Shareghi, AA Saboury, F Davar, A Semnani, M Evini RSC advances 6 (48), 42313-42323	<u>82</u>	2016
<u>Hydrothermal preparation and characterization of based-alloy Bi₂Te₃ nanostructure with different morphology</u> M Salavati-Niasari, M Bazarganipour, F Davar Journal of Alloys and Compounds 489 (2), 530-534	<u>81</u>	2010
<u>Synthesis, characterization and catalytic oxidation of cyclohexane using a novel host (zeolite-Y)/quest (binuclear transition metal complexes) nanocomposite materials</u> M Salavati-Niasari, Z Salimi, M Bazarganipour, F Davar Inorganica Chimica Acta 362 (10), 3715-3724	<u>81</u>	2009
<u>Synthesis of spherical ZnS based nanocrystals using thioglycolic assisted hydrothermal method</u> F Davar, M Mohammadikish, MR Loghman-Estarki, Z Hamidi	<u>79</u>	2012

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CrystEngComm 14 (21), 7338-7344		
<u>Synthesis and characterization of hierarchical ZnS architectures based nanoparticles in the presence of thioglycolic acid</u> M Mohammadikish, F Davar, MR Loghman-Estarki, Z Hamidi Ceramics International 39 (3), 3173-3181	<u>75</u>	2013
<u>Fabrication of chain-like Mn₂O₃ nanostructures via thermal decomposition of manganese phthalate coordination polymers</u> M Salavati-Niasari, F Mohandes, F Davar, K Saberyan Applied Surface Science 256 (5), 1476-1480	<u>73</u>	2009
<u>A novel precursor for synthesis of metallic copper nanocrystals by thermal decomposition approach</u> M Salavati-Niasari, N Mir, F Davar Applied surface science 256 (12), 4003-4008	<u>71</u>	2010
<u>Synthesis and characterization of hexagonal nano-sized nickel selenide by simple hydrothermal method assisted by CTAB</u> A Sobhani, F Davar, M Salavati-Niasari Applied surface science 257 (18), 7982-7987	<u>69</u>	2011
<u>Synthesis, characterization and catalytic oxidation of para-xylene by a manganese (III) Schiff base complex on functionalized multi-wall carbon nanotubes (MWNTs)</u> M Salavati-Niasari, F Davar, M Bazarganipour Dalton Transactions 39 (31), 7330-7337	<u>66</u>	2010
<u>Synthesis, characterization and magnetic properties of NiS_{1+x} nanocrystals from [bis (salicylidene) nickel (II)] as new precursor</u> M Salavati-Niasari, F Davar, M Mazaheri Materials Research Bulletin 44 (12), 2246-2251	<u>63</u>	2009
<u>Synthesis of cobalt nanoparticles from [bis (2-hydroxyacetophenato) cobalt (II)] by thermal decomposition</u> M Salavati-Niasari, Z Fereshteh, F Davar Polyhedron 28 (6), 1065-1068	<u>63</u>	2009
<u>Shape control of nickel selenides synthesized by a simple hydrothermal reduction process</u> A Sobhani, M Salavati-Niasari, F Davar Polyhedron 31 (1), 210-216	<u>61</u>	2012
<u>Synthesis, thermal stability and photoluminescence of new cadmium sulfide/organic composite hollow sphere nanostructures</u> M Salavati-Niasari, MR Loghman-Estarki, F Davar Inorganica Chimica Acta 362 (10), 3677-3683	<u>61</u>	2009

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The effect of agarose content on the morphology, phase evolution, and magnetic properties of CoFe₂O₄ nanoparticles prepared by sol-gel autocombustion method AR Rouhani, AH Esmail-Khanian, F Davar, S Hasani International Journal of Applied Ceramic Technology 15 (3), 758-765	60	2018
Sonochemical synthesis of Dy₂ (CO₃)₃ nanoparticles, Dy (OH)₃ nanotubes and their conversion to Dy₂O₃ nanoparticles M Salavati-Niasari, J Javidi, F Davar Ultrasonics sonochemistry 17 (5), 870-877	59	2010
Alumina-supported Mn (II), Co (II), Ni (II) and Cu (II) N, N-bis (salicylidene)-2, 2-dimethylpropane-1, 3-diamine complexes: synthesis, characterization and catalytic oxidation ... M Salavati-Niasari, M Hassani-Kabutarhkhani, F Davar Catalysis Communications 7 (12), 955-962	59	2006
Hierarchical nanostructured nickel sulfide architectures through simple hydrothermal method in the presence of thioglycolic acid M Salavati-Niasari, F Davar, H Emadi Chalcogenide Lett 7 (12), 647-655	53	2010
Simple routes to synthesis and characterization of nanosized tin telluride compounds M Salavati-Niasari, M Bazarganipour, F Davar, AA Fazl Applied surface science 257 (3), 781-785	53	2010
Sonochemical synthesis of Dy₂ (CO₃)₃ nanoparticles and their conversion to Dy₂O₃ and Dy (OH)₃: effects of synthesis parameters M Salavati-Niasari, J Javidi, F Davar, AA Fazl Journal of Alloys and Compounds 503 (2), 500-506	50	2010
Synthesis and characterization of cobalt sulfide nanocrystals in the presence of thioglycolic acid via a simple hydrothermal method H Emadi, M Salavati-Niasari, F Davar Polyhedron 31 (1), 438-442	49	2012
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Synthesis, luminescence and photocatalyst properties of zirconia nanosheets by modified Pechini method M Aflaki, F Davar	46	2016

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Effect of rosemary extract on the microstructure, phase evolution, and magnetic behavior of cobalt ferrite nanoparticles and its application on anti-cancer drug delivery M Ghanbari, F Davar, AE Shalan Ceramics International 47 (7), 9409-9417	36	2021
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Effect of lemon juice on microstructure, phase changes, and magnetic performance of CoFe₂O₄ nanoparticles and their use on release of anti-cancer drugs A Cheraghi, F Davar, M Homayoonfal, A Hojjati-Najafabadi Ceramics International 47 (14), 20210-20219	35	2021
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