

# Saeed Sheibani

## List of Publications by Year in descending order

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81  
papers

1,953  
citations

201674

27  
h-index

289244

40  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1581  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and mechanical properties of SiC-reinforced Al6061 composite by mechanical alloying. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 492, 134-140.	5.6	104
2	Structural investigation on nano-crystalline Cu-Cr supersaturated solid solution prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2010, 495, 59-62.	5.5	100
3	Visible light photocatalytic performance of La-Fe co-doped SrTiO <sub>3</sub> perovskite powder. <i>Optical Materials</i> , 2020, 102, 109803.	3.6	90
4	Characterization of nanostructured biodegradable Zn-Mn alloy synthesized by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1319-1327.	5.5	70
5	Outstanding photocatalytic activity of CoFe <sub>2</sub> O <sub>4</sub> /rGO nanocomposite in degradation of organic dyes. <i>Optical Materials</i> , 2020, 108, 110193.	3.6	67
6	Novel antibacterial biodegradable Fe-Mn-Ag alloys produced by mechanical alloying. <i>Materials Science and Engineering C</i> , 2018, 88, 88-94.	7.3	64
7	Characteristics and photocatalytic behavior of Fe and Cu doped TiO <sub>2</sub> prepared by combined sol-gel and mechanical alloying. <i>Solid State Sciences</i> , 2019, 96, 105975.	3.2	64
8	Influence of Al <sub>2</sub> O <sub>3</sub> nanoparticles on solubility extension of Cr in Cu by mechanical alloying. <i>Acta Materialia</i> , 2010, 58, 6828-6834.	7.9	52
9	In situ fabrication of Al-TiC Metal Matrix Composites by reactive slag process. <i>Materials &amp; Design</i> , 2007, 28, 2373-2378.	5.1	49
10	Visible light photocatalytic activity of Cu doped TiO <sub>2</sub> -CNT nanocomposite powder prepared by sol-gel method. <i>Materials Research Bulletin</i> , 2019, 110, 198-206.	5.2	48
11	Enhancement of photocatalytic activity of CuO-Cu <sub>2</sub> O heterostructures through the controlled content of Cu <sub>2</sub> O. <i>Materials Research Bulletin</i> , 2022, 145, 111561.	5.2	48
12	Enhanced photocatalytic performance of Cu <sub>2</sub> O nano-photocatalyst powder modified by ball milling and ZnO. <i>Advanced Powder Technology</i> , 2020, 31, 40-50.	4.1	46
13	Control of structural and magnetic characteristics of cobalt ferrite by post-calcination mechanical milling. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 134, 286-294.	4.0	45
14	Adsorption and photocatalytic characteristics of cobalt ferrite-reduced graphene oxide and cobalt ferrite-carbon nanotube nanocomposites. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 403, 112867.	3.9	45
15	CoFe <sub>2</sub> O <sub>4</sub> /Fe magnetic nanocomposite: Exchange coupling behavior and microwave absorbing property. <i>Ceramics International</i> , 2020, 46, 17903-17916.	4.8	42
16	Comparative evaluation of copper oxide nano-photocatalyst characteristics by formation of composite with TiO <sub>2</sub> and ZnO. <i>Solid State Sciences</i> , 2020, 107, 106362.	3.2	41
17	Photodegradation of dyes in batch and continuous reactors by Cu <sub>2</sub> O-CuO nano-photocatalyst on Cu foils prepared by chemical-thermal oxidation. <i>Materials Research Bulletin</i> , 2020, 130, 110920.	5.2	41
18	Ternary Ag@SrTiO <sub>3</sub> @CNT plasmonic nanocomposites for the efficient photodegradation of organic dyes under the visible light irradiation. <i>Ceramics International</i> , 2021, 47, 22741-22752.	4.8	40

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19	Design and characterization of nano and bimodal structured biodegradable Fe-Mn-Ag alloy with accelerated corrosion rate. <i>Journal of Alloys and Compounds</i> , 2018, 767, 955-965.	5.5	39
20	Preparation of nanostructured nickel aluminate spinel powder from spent NiO/Al <sub>2</sub> O <sub>3</sub> catalyst by mechano-chemical synthesis. <i>Advanced Powder Technology</i> , 2012, 23, 833-838.	4.1	38
21	Photocatalytic performance of coupled semiconductor ZnO@CuO nanocomposite coating prepared by a facile brass anodization process. <i>Materials Science in Semiconductor Processing</i> , 2021, 135, 106083.	4.0	38
22	Photocatalytic degradation of methylene blue by nanostructured Fe/FeS powder under visible light. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018, 25, 244-252.	4.9	37
23	Structural evolution in nano-crystalline Cu synthesized by high energy ball milling. <i>Materials Letters</i> , 2007, 61, 3204-3207.	2.6	36
24	Modification and photocatalytic activity of open channel TiO <sub>2</sub> nanotubes array synthesized by anodization process. <i>Applied Surface Science</i> , 2020, 534, 147581.	6.1	34
25	Effect of aqueous inorganic anions on the photocatalytic activity of Cu@Cu <sub>2</sub> O nanocomposite on MB and MO dyes degradation. <i>Materials Science in Semiconductor Processing</i> , 2022, 139, 106335.	4.0	33
26	Role of process control agent on synthesis and consolidation behavior of nano-crystalline copper produced by mechano-chemical route. <i>Journal of Alloys and Compounds</i> , 2008, 465, 78-82.	5.5	29
27	Effect of intermediate ball milling on the synthesis of Cu-doped TiO <sub>2</sub> nano-photocatalyst by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 92, 173-185.	2.4	28
28	Type-II band alignment in CNT-modified SrTiO <sub>3</sub> -Fe <sub>2</sub> TiO <sub>5</sub> heterostructure nanocomposite for photocatalytic degradation of organic dyes. <i>Applied Surface Science</i> , 2022, 598, 153816.	6.1	28
29	Spinodal decomposition and precipitation in Cu-Cr nanocomposite. <i>Journal of Alloys and Compounds</i> , 2014, 587, 670-676.	5.5	26
30	The enhanced photocatalytic activity of ZnO nanorods/CuO nanourchins composite prepared by chemical bath precipitation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 271, 115262.	3.5	26
31	Surface modification of Cu <sub>2</sub> O-CuO photocatalyst on Cu wire through decorating with TiO <sub>2</sub> nanoparticles for enhanced visible light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2022, 919, 165864.	5.5	25
32	Microstructure and mechanical properties of consolidated Cu-Cr-CNT nanocomposite prepared via powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2018, 732, 818-827.	5.5	24
33	Recovery of gallium from waste LEDs by oxidation and subsequent leaching. <i>Hydrometallurgy</i> , 2020, 191, 105230.	4.3	24
34	In situ preparation of Cu-MnO nanocomposite powder through mechanochemical synthesis. <i>Journal of Alloys and Compounds</i> , 2009, 477, 683-687.	5.5	22
35	Preparation, magnetic and photocatalytic properties of nano-structured SrFe <sub>12</sub> O <sub>19</sub> obtained via an optimized mechano-thermal route using celestite ore. <i>Materials Chemistry and Physics</i> , 2022, 275, 125312.	4.0	22
36	In Vitro Degradation, Hemocompatibility, and Cytocompatibility of Nanostructured Absorbable Fe-Mn-Ag Alloys for Biomedical Application. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2094-2106.	5.2	20

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37	Kinetics analysis of mechano-chemically and thermally synthesized Cu by Johnson-Mehl-Avrami model. <i>Journal of Alloys and Compounds</i> , 2008, 455, 447-453.	5.5	18
38	Mechano-thermal synthesis and characterization of nano-structured Fe/FeS for application in photocatalysis. <i>Particuology</i> , 2018, 37, 72-80.	3.6	18
39	Magnetic MgFe <sub>2</sub> O <sub>4</sub> -CaFe <sub>2</sub> O <sub>4</sub> S-scheme photocatalyst prepared from recycling of electric arc furnace dust. <i>Journal of Environmental Management</i> , 2021, 290, 112609.	7.8	18
40	Insight into the adsorption and photocatalytic properties of in-situ synthesized g-C <sub>3</sub> N <sub>4</sub> /SnS <sub>2</sub> nanocomposite. <i>Ceramics International</i> , 2022, 48, 30294-30306.	4.8	17
41	Enhanced photocatalytic activity of sputter-deposited nanoporous BiVO <sub>4</sub> thin films by controlling film thickness. <i>Journal of Alloys and Compounds</i> , 2021, 879, 160463.	5.5	16
42	Photocatalytic activity enhancement by composition control of mechano-thermally synthesized BiVO <sub>4</sub> -Cu <sub>2</sub> O nanocomposite. <i>Ceramics International</i> , 2021, 47, 29795-29806.	4.8	16
43	Effect of milling energy on preparation of nano-structured Fe <sub>70</sub> Si <sub>30</sub> alloys. <i>Powder Technology</i> , 2014, 267, 145-152.	4.2	15
44	Effect of high energy ball milling on the properties of biodegradable nanostructured Fe-35 wt.%Mn alloy. <i>Journal of Alloys and Compounds</i> , 2018, 768, 166-175.	5.5	15
45	Facile mechano-chemical synthesis and enhanced photocatalytic performance of Cu <sub>2</sub> ZnSnS <sub>4</sub> nanopowder. <i>Ceramics International</i> , 2020, 46, 26715-26723.	4.8	15
46	Synthesizing of Nanostructured Fe-Mn Alloys by Mechanical Alloying Process. , 2015, 11, 381-385.		13
47	Effect of milling energy on preparation of Cu-Cr/CNT hybrid nano-composite by mechanical alloying. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 1359-1366.	4.2	13
48	CNTs-copper oxide nanocomposite photocatalyst with high visible light degradation efficiency. <i>Advanced Powder Technology</i> , 2021, 32, 3760-3769.	4.1	13
49	One-step preparation of Ag-incorporated BiVO <sub>4</sub> thin films: plasmon-heterostructure effect in photocatalytic activity enhancement. <i>Applied Surface Science</i> , 2022, 580, 152253.	6.1	13
50	Influence of Al <sub>2</sub> O <sub>3</sub> reinforcement on precipitation kinetic of Cu-Cr nanocomposite. <i>Thermochimica Acta</i> , 2011, 526, 222-228.	2.7	12
51	Purification of the leaching solution of recycling zinc from the hazardous electric arc furnace dust through an as-bearing jarosite. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110893.	6.0	12
52	Synthesis and Characterization of CuNi Magnetic Nanoparticles by Mechano-Thermal Route. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 481-485.	1.8	11
53	Mechano-chemical processing and characterization of nano-structured FeS powder. <i>Advanced Powder Technology</i> , 2016, 27, 557-563.	4.1	11
54	Comparative study on hot rolling of Cu-Cr and Cu-Cr-CNT nanocomposites. <i>Transactions of Nonferrous Metals Society of China</i> , 2018, 28, 2044-2052.	4.2	11

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55	Kinetic modeling of copper bioleaching from low-grade ore from the Shahr Babak Copper Complex. International Journal of Minerals, Metallurgy and Materials, 2017, 24, 611-620.	4.9	10
56	Characterization and performance of Cu <sub>2</sub> O nanostructures on Cu wire photocatalyst synthesized in-situ by chemical and thermal oxidation. Journal of Materials Science: Materials in Electronics, 2019, 30, 13675-13689.	2.2	10
57	Comparative study on carbon nanotube and graphene reinforced Cu matrix nanocomposites for thermal management applications. Diamond and Related Materials, 2021, 113, 108273.	3.9	10
58	In-Situ Synthesis of Cu/Cr-Al <sub>2</sub> O <sub>3</sub> Nanocomposite by Mechanical Alloying and Heat Treatment. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 2606-2612.	2.2	8
59	SYNTHESIS OF NANO-CRYSTALLINE Cu-Cr ALLOY BY MECHANICAL ALLOYING. International Journal of Modern Physics Conference Series, 2012, 05, 496-501.	0.7	8
60	Effect of TiO <sub>2</sub> nanoparticle loading by sol-gel method on the gas-phase photocatalytic activity of Cu <sub>x</sub> O-TiO <sub>2</sub> nanocomposite. Journal of Sol-Gel Science and Technology, 2020, 96, 464-479.	2.4	8
61	Deposition of nanoporous BiVO <sub>4</sub> thin-film photocatalyst by reactive magnetron sputtering: Effect of total pressure and substrate. Transactions of Nonferrous Metals Society of China, 2022, 32, 957-971.	4.2	8
62	High Performance Cu Matrix Nanocomposite Fabricated Through Spark Plasma Sintering of Cu and Cu-Coated CNT. Metals and Materials International, 2021, 27, 4271-4285.	3.4	6
63	Kinetic study on the copper electroless coating on carbon nanotubes. Diamond and Related Materials, 2020, 108, 107987.	3.9	6
64	Effect of chemical activation process on adsorption of As(V) ion from aqueous solution by mechano-thermally synthesized zinc ferrite nanopowder. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 526-537.	4.9	6
65	Titania-decorated copper oxide nanophotocatalyst powder: A stable and promoted photocatalytic active system. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113401.	3.9	6
66	Chromium (VI) Ions Adsorption Onto Barium Hexaferrite Magnetic Nano-Adsorbent. Advanced Materials Letters, 2016, 7, 579-586.	0.6	4
67	Consolidation of nano-crystalline copper powder by cold and hot pressing. Metals and Materials International, 2011, 17, 749-753.	3.4	3
68	The effect of carbon nanotubes functionalization on the band-gap energy of TiO <sub>2</sub> -CNT nanocomposite. AIP Conference Proceedings, 2018, , .	0.4	3
69	Mechano-thermally synthesized CuCrO <sub>2</sub> /CuCr <sub>2</sub> O <sub>4</sub> nanocomposite and improvement of photocatalytic activity by structure modification. Optical Materials, 2022, 131, 112716.	3.6	3
70	Characterisation of aluminium nanopowder produced by evaporation-condensation method. Materials Science and Technology, 2010, 26, 1207-1212.	1.6	2
71	Effect of Nb and Nb <sub>2</sub> O <sub>5</sub> additives on mechano-thermal processing of TiAl/Al <sub>2</sub> O <sub>3</sub> nano-composite. Journal of Materials Science, 2011, 46, 5512-5518.	3.7	2
72	Dispersion of Carbon Nanotubes in Cu-Cr Matrix Nano-composite by Wet Milling. , 2015, 11, 560-564.		2

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73	Effect of calcination temperature on photocatalytic activity of magnetic Fe-based composites recycled from hazardous EAF dust. Materials Research Bulletin, 2022, 148, 111688.	5.2	2
74	Processing of nanocrystalline copper by mechanochemical reduction of CuO and Cu <sub>2</sub> O with graphite. Materials Science and Technology, 2008, 24, 986-990.	1.6	1
75	Characterization of Cu-nio Nano-composite Powder Prepared by Ball Milling Assisted Solid-state Reaction. , 2015, 11, 119-123.		1
76	Preparation of Cu <sub>2</sub> ZnSnS <sub>4</sub> nano-crystalline powder by mechano-chemical method. AIP Conference Proceedings, 2018, , .	0.4	1
77	Cu-NiO Nano-composite Formation Through Reactive Milling: Reaction Mechanism. Advanced Materials Letters, 2017, 8, 82-87.	0.6	1
78	FORMATION MECHANISM AND CHARACTERIZATION OF NANOCRYSTALLINE CU SYNTHESIZED BY MECHANO-CHEMICAL METHOD. International Journal of Modern Physics B, 2008, 22, 2962-2969.	2.0	0
79	Investigation on Formation Mechanism of Cu/Cr-Al <sub>2</sub> O <sub>3</sub> Nanocomposite. Advanced Materials Research, 2011, 364, 7-11.	0.3	0
80	Characterization of Nanostructured Nickel Aluminate Formation during Mechano-Chemical Recycling of Spent NiO/Al <sub>2</sub> O <sub>3</sub> Catalyst. Advanced Materials Research, 2011, 364, 186-190.	0.3	0
81	MICROSTRUCTURAL AND MECHANICAL CHARACTERIZATION OF CONSOLIDATED NANO- AND MICRON- SIZE Cu POWDERS. International Journal of Modern Physics Conference Series, 2012, 05, 18-23.	0.7	0