

# R Azari Khosroshahi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11521728/publications.pdf>

Version: 2024-02-01

27  
papers

992  
citations

567247

15  
h-index

610883

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

795  
citing authors

#	ARTICLE	IF	CITATIONS
1	Incorporation of SiC Ceramic Nanoparticles into the Aluminum Matrix by a Novel Method: Production of a Metal Matrix Composite. <i>Metals and Materials International</i> , 2021, 27, 2968-2976.	3.4	19
2	Dry Milling of Aluminum and Ceramic Nanoparticles for a Particulate-Injection Casting of Aluminum Matrix Nanocomposites. <i>Silicon</i> , 2020, 12, 913-920.	3.3	3
3	Strength-ductility trade-off via SiC nanoparticle dispersion in A356 aluminium matrix. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 771, 138639.	5.6	19
4	Hot rolling effects on as-cast aluminum matrix nanocomposites reinforced by nano-sized ceramic powders. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
5	Semi-solid stirring of modified ceramic nanoparticles using iron and nickel in an aluminum A356 melt. <i>Materials Research Express</i> , 2019, 6, 096553.	1.6	0
6	A comparison between hot-rolling process and twin-screw rheo-extrusion process for fabrication of aluminum matrix nanocomposite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 760, 152-157.	5.6	6
7	Study on the incorporation of ceramic nanoparticles into the semi-solid A356 melt. <i>Materials Chemistry and Physics</i> , 2019, 230, 25-36.	4.0	12
8	Fabrication of A356-based rolled composites reinforced by Niâ€‘P-coated bimodal ceramic particles. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2018, 232, 803-815.	1.1	5
9	Microstructural characterization of ball-milled metal matrix nanocomposites (Cr, Ni, Ti)-25 wt% (Al <sub>2</sub> O <sub>3</sub> np, SiCnp). <i>Particulate Science and Technology</i> , 2018, 36, 72-83.	2.1	13
10	A novel graphene-stimulated semi-solid processing to fabricate advanced aluminium matrix nanocomposites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 736, 316-322.	5.6	13
11	Incorporation of Silicon Carbide and Alumina Particles into the Melt of A356 via Electroless Metallic Coating Followed by Stir Casting. <i>Silicon</i> , 2018, 10, 2353-2359.	3.3	8
12	Rheo-Extrusion of an Alloy Specially Developed for Rheo Process Based on Alâ€‘Znâ€‘Mgâ€‘Cu System. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 1295-1304.	1.5	0
13	Microstructure and morphological study of ball-milled metal matrix nanocomposites. <i>Physics of Metals and Metallography</i> , 2017, 118, 749-758.	1.0	14
14	Graphene tweaking Hamaker constant of SiC nanoparticles: A new horizon to solve the conflict between strengthening and toughening. <i>Scripta Materialia</i> , 2016, 118, 65-69.	5.2	17
15	Effect of SiC particle morphology on Coâ€‘P electroless coating characteristics. <i>Surface Engineering</i> , 2016, 32, 391-396.	2.2	10
16	Solvothermal-assisted graphene encapsulation of SiC nanoparticles: A new horizon toward toughening aluminium matrix nanocomposites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 653, 99-107.	5.6	27
17	Fabrication of aluminum matrix composites reinforced with nano- to micrometer-sized SiC particles. <i>Materials and Design</i> , 2016, 89, 58-70.	7.0	143
18	Mechanical properties of rolled A356 based composites reinforced by Cu-coated bimodal ceramic particles. <i>Materials and Design</i> , 2015, 83, 678-688.	7.0	52

#	ARTICLE	IF	CITATIONS
19	A comparison study of applying metallic coating on SiC particles for manufacturing of cast aluminum matrix composites. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 81, 433-444.	3.0	28
20	Graphene sheets encapsulating SiC nanoparticles: A roadmap towards enhancing tensile ductility of metal matrix composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 648, 92-103.	5.6	44
21	Strengthening mechanisms of graphene sheets in aluminium matrix nanocomposites. <i>Materials and Design</i> , 2015, 88, 983-989.	7.0	138
22	Enhanced tensile properties of aluminium matrix composites reinforced with graphene encapsulated SiC nanoparticles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 68, 155-163.	7.6	217
23	A Novel Method for Incorporation of Micron-Sized SiC Particles into Molten Pure Aluminum Utilizing a Co Coating. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 12-19.	2.1	27
24	Effect of interfacial-active elements addition on the incorporation of micron-sized SiC particles in molten pure aluminum. <i>Ceramics International</i> , 2014, 40, 8323-8332.	4.8	49
25	Electroless deposition (ED) of copper coating on micron-sized SiC particles. <i>Surface Engineering</i> , 2014, 30, 747-751.	2.2	18
26	Effect of electroless coating parameters and ceramic particle size on fabrication of a uniform Niâ€“P coating on SiC particles. <i>Ceramics International</i> , 2014, 40, 12149-12159.	4.8	47
27	Microstructural and mechanical properties of Al-4.5wt% Cu reinforced with alumina nanoparticles by stir casting method. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013, 20, 978-985.	4.9	63