# Seyed Farshid Kashani-Bozorg

List of Publications by Year
in descending order



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|---|---|---|---|
| 56 papers | 2,116 citations | 218381 26 h-index | 233125 45 g-index |
| 57 all docs | 57 docs citations | 57 times ranked | 1752 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Exceptional improvement in the wear resistance of biomedical Î²-type titanium alloy with the use of a biocompatible multilayer Si/DLC nanocomposite coating. Ceramics International, 2022, 48, 17376-17384. | 2.3 | 17 |
| 2 | Perforated two-dimensional nanoarchitectures for next-generation batteries: Recent advances and extensible perspectives. Progress in Materials Science, 2021, 116, 100716. | 16.0 | 30 |
| 3 | Effect of Pre- and Post-weld Heat Treatment on Microstructure and Mechanical Properties of GTD-111 Superalloy Welds. Metals and Materials International, 2021, 27, 1173-1192. | 1.8 | 22 |
| 4 | Creep Behaviors Evaluation of IN738 Superalloy Welded by Pulsed Nd:YAG Laser Through the Small Punch Creep Test. Metallography, Microstructure, and Analysis, 2021, 10, 199-207. | 0.5 | 5 |
| 5 | Ultrafast green microwave-assisted synthesis of high-entropy oxide nanoparticles for Li-ion battery applications. Materials Chemistry and Physics, 2021, 262, 124265. | 2.0 | 61 |
| 6 | Effect of Nd:YAG Pulsed-Laser Welding Parameters on Melting Rate of GTD-111 Superalloy Joint. Journal of Materials Engineering and Performance, 2021, 30, 9108-9117. | 1.2 | 9 |
| 7 | The effect of service temperature on the impact strength and fracture toughness of GTD-111 superalloy. Engineering Failure Analysis, 2021, 127, 105507. | 1.8 | 18 |
| 8 | Hierarchical brain-coral-like structure (3D) vs rod-like structure (1D): Effect on electromagnetic wave loss features of SrFe12O19 and CoFe2O4. Ceramics International, 2021, 47, 30448-30458. | 2.3 | 67 |
| 9 | Boosted microwave dissipation performance via integration of magneto/dielectric particles with hierarchical 3D morphology in bilayer absorber. Journal of Magnetism and Magnetic Materials, 2021, 539, 168363. | 1.0 | 63 |
| 10 | Relationship between solidification and liquation cracks in the joining of GTD-111 nickel-based superalloy by Nd:YAG pulsed-laser welding. Journal of Materials Research and Technology, 2021, 15, 5635-5649. | 2.6 | 22 |
| 11 | Mechanical and Microstructural Characterization of Hybrid Aluminum Nanocomposites Synthesized from an Alâ€“Fe3O4 System by Friction Stir Processing. Metals and Materials International, 2020, 26, 1441-1453. | 1.8 | 15 |
| 12 | Hot Cracking of GTD-111 Nickel-Based Superalloy Welded by Pulsed Nd:YAG Laser. Metallography, Microstructure, and Analysis, 2020, 9, 16-32. | 0.5 | 21 |
| 13 | Effect of multi-pass friction stir processing on textural evolution and grain boundary structure of Alâ€“Fe3O4 system. Journal of Materials Research and Technology, 2020, 9, 1070-1086. | 2.6 | 9 |
| 14 | In vitro study of a novel multi-substituted hydroxyapatite nanopowder synthesized by an ultra-fast, efficient and green microwave-assisted method. Materials Science and Engineering C, 2020, 117, 111310. | 3.8 | 19 |
| 15 | Dissimilar resistance spot welding of 6061-T6 aluminum alloy/St-12 carbon steel using a high entropy alloy interlayer. Intermetallics, 2020, 124, 106876. | 1.8 | 38 |
| 16 | Defect-rich Ni3Sn4 quantum dots anchored on graphene sheets exhibiting unexpected reversible conversion reactions with exceptional lithium and sodium storage performance. Applied Surface Science, 2020, 526, 146756. | 3.1 | 12 |
| 17 | Exceptionally Reversible Li-/Na-Ion Storage and Ultrastable Solid-Electrolyte Interphase in Layered GeP<sub>5</sub> Anode. ACS Applied Materials & Interfaces, 2019, 11, 32815-32825. | 4.0 | 28 |
| 18 | Failure mechanisms of friction stir spot welds of AA6061â€T6/DP590 steel during tensileâ€shear testing. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2247-2261. | 1.7 | 2 |

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|---|---|---|---|
| 19 | Formation of Al/(Al13Fe4Â+ÂAl2O3) Nano-composites via Mechanical Alloying and Friction Stir Processing. Journal of Materials Engineering and Performance, 2018, 27, 471-482. | 1.2 | 18 |
| 20 | Microstructure and property assessment of dissimilar joints of 6061-T6 Al/dual-phase steel fabricated by friction stir spot welding. Welding in the World, Le Soudage Dans Le Monde, 2018, 62, 751-765. | 1.3 | 14 |
| 21 | Strong, persistent superficial oxidation-assisted chemical bonding of black phosphorus with multiwall carbon nanotubes for high-capacity ultradurable storage of lithium and sodium. Journal of Materials Chemistry A, 2018, 6, 10121-10134. | 5.2 | 71 |
| 22 | EBSD investigation of Al/(Al<sub>13</sub>Fe<sub>4</sub>+Al<sub>2</sub>O<sub>3</sub>) nanocomposites fabricated by mechanical milling and friction stir processing. Journal of Microscopy, 2018, 270, 3-16. | 0.8 | 11 |
| 23 | Simultaneous grain refinement and nanoscale spinodal decomposition of Î² phase in Ti-Nb-Ta-Zr alloy induced by ultrasonic mechanical impacts. Journal of Alloys and Compounds, 2018, 738, 540-549. | 2.8 | 42 |
| 24 | Electrochemical and kinetic performance of amorphous/nanostructured TiNi-based intermetallic compound with Nb substitution synthesized by mechanical alloying. Journal of Materials Research, 2018, 33, 3774-3784. | 1.2 | 2 |
| 25 | Ultra-fast, highly efficient and green synthesis of bioactive forsterite nanopowder via microwave irradiation. Materials Science and Engineering C, 2018, 92, 236-244. | 3.8 | 22 |
| 26 | Ultra-fast microwave-assisted synthesis of diopside nanopowder for biomedical applications. Ceramics International, 2018, 44, 18752-18758. | 2.3 | 12 |
| 27 | Significant improvement in cell adhesion and wear resistance of biomedical Î²-type titanium alloy through ultrasonic nanocrystal surface modification. Journal of Alloys and Compounds, 2018, 762, 941-949. | 2.8 | 54 |
| 28 | Surface Modification of Titanium by Producing Ti/TiN Surface Composite Layers via FSP. Acta Metallurgica Sinica (English Letters), 2017, 30, 550-557. | 1.5 | 10 |
| 29 | Nanostructured Î²-type titanium alloy fabricated by ultrasonic nanocrystal surface modification. Ultrasonics Sonochemistry, 2017, 39, 698-706. | 3.8 | 50 |
| 30 | Reactive mechanism and mechanical properties of in-situ hybrid nano-composites fabricated from an Alâ€“Fe2O3 system by friction stir processing. Materials Characterization, 2017, 127, 279-287. | 1.9 | 38 |
| 31 | A robust design of Ru quantum dot/N-doped holey graphene for efficient Liâ€“O<sub>2</sub>batteries. Journal of Materials Chemistry A, 2017, 5, 619-631. | 5.2 | 55 |
| 32 | Rational hybrid modulation of P, N dual-doped holey graphene for high-performance supercapacitors. Journal of Power Sources, 2017, 372, 286-296. | 4.0 | 51 |
| 33 | Three-dimensional graphene-based spheres and crumpled balls: micro- and nano-structures, synthesis strategies, properties and applications. RSC Advances, 2016, 6, 50941-50967. | 1.7 | 33 |
| 34 | A Thermodynamic Approach to Predict Formation Enthalpies of Ternary Systems Based on Miedemaâ€™s Model. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 3761-3770. | 1.1 | 21 |
| 35 | Texture Analyses of Ti/Al2O3 Nanocomposite Produced Using Friction Stir Processing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 5618-5629. | 1.1 | 15 |
| 36 | Strengthening analyses and mechanical assessment of Ti/Al2O3 nano-composites produced by friction stir processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 631, 75-85. | 2.6 | 32 |

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|---|---|---|---|
| 37 | Effect of friction stir processing on the tribological performance of Steel/Al2O3 nanocomposites. Surface and Coatings Technology, 2015, 276, 507-515. | 2.2 | 28 |
| 38 | Friction Stir Processing of Mild Steel/Al2O3 Nanocomposite: Modeling and Experimental Studies. Metallography, Microstructure, and Analysis, 2015, 4, 122-130. | 0.5 | 14 |
| 39 | Fabrication of Al/AlN nano-composite layers by friction stir processing of 6061 Al-T6 substrate. Surface and Interface Analysis, 2015, 47, 227-238. | 0.8 | 7 |
| 40 | Microstructure and wear of in-situ Ti/(TiNÂ+ÂTiB) hybrid composite layers produced using liquid phase process. Materials Chemistry and Physics, 2015, 152, 147-157. | 2.0 | 31 |
| 41 | Evolution and Stability of a Nanocrystalline Cu3Ge Intermetallic Compound Fabricated by Means of High Energy Ball Milling and Annealing Processes. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 516-524. | 1.1 | 4 |
| 42 | Production of in-situ hard Ti/TiN composite surface layers on CP-Ti using reactive friction stir processing under nitrogen environment. Surface and Coatings Technology, 2013, 218, 62-70. | 2.2 | 29 |
| 43 | Effects of thermal conditions on microstructure in nanocomposite of Al/Si3N4 produced by friction stir processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 559, 187-193. | 2.6 | 62 |
| 44 | Wear Assessment of Ti/SiC Surface Nano-Composite Layer and its Associated CP-Ti Substrate. Advanced Materials Research, 2012, 445, 595-600. | 0.3 | 2 |
| 45 | FABRICATION OF TI/SIC SURFACE NANO-COMPOSITE LAYER BY FRICTION STIR PROCESSING. International Journal of Modern Physics Conference Series, 2012, 05, 367-374. | 0.7 | 5 |
| 46 | Microstructure and mechanical properties of steel/TiC nano-composite surface layer produced by friction stir processing. Surface and Coatings Technology, 2012, 209, 15-22. | 2.2 | 70 |
| 47 | Evolution of Nanocrystalline Structures Using High Energy Ball Milling of Quaternary Mg<sub>1.75</sub>Nb<sub>0.125</sub>C<sub>0.125</sub>Ni and Binary Mg<sub>2</sub>Ni. Acta Physica Polonica A, 2012, 121, 211-213. | 0.2 | 3 |
| 48 | The effects of friction-stir process parameters on the fabrication of Ti/SiC nano-composite surface layer. Surface and Coatings Technology, 2011, 206, 1372-1381. | 2.2 | 107 |
| 49 | Dissimilar lap joining of 304 stainless steel to CP-Ti employing friction stir welding. Materials & Design, 2011, 32, 1824-1832. | 5.1 | 62 |
| 50 | Wear assessment of Al/Al2O3 nano-composite surface layer produced using friction stir processing. Wear, 2011, 270, 403-412. | 1.5 | 125 |
| 51 | COMPARISON OF ELECTRODE PROPERTIES OF BINARY, TERNARY AND QUATERNARY NANOCRYSTALLINE Mg2Ni-BASED POWDERS. International Journal of Nanoscience, 2011, 10, 1067-1071. | 0.4 | 0 |
| 52 | FABRICATION OF <font>Mg/SiC</font> NANOCOMPOSITE SURFACE LAYER USING FRICTION STIR PROCESSING TECHNIQUE. International Journal of Nanoscience, 2011, 10, 1073-1076. | 0.4 | 9 |
| 53 | Joining of CP-Ti to 304 stainless steel using friction stir welding technique. Materials & Design, 2010, 31, 4800-4807. | 5.1 | 97 |
| 54 | Microstructures and mechanical properties of Al/Al2O3 surface nano-composite layer produced by friction stir processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 500, 84-91. | 2.6 | 332 |

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|---|---|---|---|
| 55 | Nanocrystalline Mg2Ni-based powders produced by high-energy ball milling and subsequent annealing. Journal of Alloys and Compounds, 2008, 456, 211-215. | 2.8 | 96 |
| 56 | Effects of TIG surface melting and chromium surface alloying on microstructure, hardness and wear resistance of ADI. Journal of Iron and Steel Research International, 2008, 15, 86-94. | 1.4 | 18 |