Alireza Nouri

List of Publications by Year
in descending order

44 papers	1,331 citations	331670 21 h-index	377865 34 g-index
44 all docs	44 docs citations	44 times ranked	1403 citing authors

#	Article	IF	Citations
1	Microstructural porosity in additive manufacturing: The formation and detection of pores in metal parts fabricated by powder bed fusion. Journal of Advanced Manufacturing and Processing, 2019, 1, .	2.4	182
2	Effect of surface roughness of Ti, Zr, and TiZr on apatite precipitation from simulated body fluid. Biotechnology and Bioengineering, 2008, 101, 378-387.	3.3	109
3	Additive manufacturing of metallic and polymeric load-bearing biomaterials using laser powder bed fusion: A review. Journal of Materials Science and Technology, 2021, 94, 196-215.	10.7	101
4	Surfactants in Mechanical Alloying/Milling: A Catch-22 Situation. Critical Reviews in Solid State and Materials Sciences, 2014, 39, 81-108.	12.3	91
5	Review of Sand Production Prediction Models. Journal of Petroleum Engineering, 2013, 2013, 1-16.	0.6	68
6	Effect of ball-milling time on the structural characteristics of biomedical porous Tiâ€“Snâ€“Nb alloy. Materials Science and Engineering C, 2011, 31, 921-928.	7.3	67
7	Mechanical properties and microstructure of powder metallurgy Tiâ€“xNbâ€“yMo alloys for implant materials. Materials and Design, 2015, 88, 1164-1174.	7.0	55
8	Coupling of solid deformation and pore pressure for undrained deformationâ€”a discrete element method approach. International Journal for Numerical and Analytical Methods in Geomechanics, 2017, 41, 1943-1961.	3.3	55
9	Synthesis of Tiâ€“Snâ€“Nb alloy by powder metallurgy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 485, 562-570.	5.6	52
10	Dual functions of TiC nanoparticles on tribological performance of Al/graphite composites. Journal of Physics and Chemistry of Solids, 2016, 93, 137-144.	4.0	45
11	Cell biological responses of osteoblasts on anodized nanotubular surface of a titaniumâ€zirconium alloy. Journal of Biomedical Materials Research - Part A, 2013, 101, 3416-3430.	4.0	42
12	Calcium phosphate-mediated gene delivery using simulated body fluid (SBF). International Journal of Pharmaceutics, 2012, 434, 199-208.	5.2	36
13	Powder morphology in thermal spraying. Journal of Advanced Manufacturing and Processing, 2019, 1, .	2.4	35
14	Effects of milling time on powder packing characteristics and compressive mechanical properties of sintered Ti-10Nb-3Mo alloy. Materials Letters, 2015, 140, 55-58.	2.6	32
15	Emulsification and emulsion flow in thermal recovery operations with a focus on SAGD operations: A critical review. Fuel, 2020, 267, 117141.	6.4	32
16	Study on the Role of Stearic Acid and Ethylene-bis-stearamide on the Mechanical Alloying of a Biomedical Titanium Based Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1409-1420.	2.2	28
17	Metal particle shape: A practical perspective. Metal Powder Report, 2018, 73, 276-282.	0.1	27
18	Role of Asphaltene in Stability of Water-in-Oil Model Emulsions: The Effects of Oil Composition and Size of the Aggregates and Droplets. Energy & Fuels, 2021, 35, 5941-5954.	5.1	25

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19	Functionally graded porous scaffolds made of Ti-based agglomerates. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 63, 157-163.	3.1	24
20	Gene delivery using biodegradable polyelectrolyte microcapsules prepared through the layerâ€byâ€layer technique. Biotechnology Progress, 2012, 28, 1088-1094.	2.6	23
21	Insight into the role of N,N-dimethylaminoethyl methacrylate (DMAEMA) conjugation onto poly(ethylenimine): cell viability and gene transfection studies. Journal of Materials Science: Materials in Medicine, 2012, 23, 2967-2980.	3.6	21
22	A review on design characteristics and fabrication methods of metallic cardiovascular stents. Materials Today Communications, 2022, 31, 103467.	1.9	19
23	Structural polymer biomaterials. , 2021, , 395-439.		16
24	Determination of tensile behavior of hot-pressed Mgâ€“TiO2 and Mgâ€“ZrO2 nanocomposites using indentation test and a holistic inverse modeling technique. Journal of Materials Research and Technology, 2021, 14, 2107-2114.	5.8	15
25	Influence of Penetration Rate and Indenter Diameter in Strength Measurement by Indentation Testing on Small Rock Specimens. Rock Mechanics and Rock Engineering, 2015, 48, 527-534.	5.4	14
26	Medical textiles. , 2020, , 291-333.		14
27	Compressibility of a Ti-based alloy with varying amounts of surfactant prepared by high-energy ball milling. Powder Technology, 2015, 279, 33-41.	4.2	13
28	Stainless steels in orthopedics. , 2021, , 67-101.		12
29	Additive manufacturing and advanced functionalities of cardiac patches: A review. European Polymer Journal, 2022, 174, 111332.	5.4	12
30	The addition of a surfactant at regular time intervals in the mechanical alloying process. Journal of Alloys and Compounds, 2014, 615, 47-55.	5.5	10
31	Surface modification of additively manufactured metallic biomaterials with active antipathogenic properties. , 2023, 1, 100001.		10
32	Constitutive model for cyclic behaviour of cohesionless sands. Geomechanics and Geoengineering, 2017, 12, 36-47.	1.8	8
33	A set of graphical design criteria for slotted liners in steam assisted gravity drainage production wells. Journal of Petroleum Science and Engineering, 2020, 185, 106608.	4.2	8
34	Formulating a model emulsion replicating SAGD in-situ emulsions. Journal of Petroleum Science and Engineering, 2022, 208, 109528.	4.2	6
35	An Investigation into Current Sand Control Testing Practices for Steam Assisted Gravity Drainage Production Wells. Eng, 2021, 2, 435-453.	2.4	5
36	Electron beam melting in biomedical manufacturing. , 2020, , 271-314.		4

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37	Biodegradable metallic suture anchors: A review. , 2023, 1, 100005.		4
38	A Workflow for Optimization of Flow Control Devices in SAGD. Energies, 2019, 12, 3237.	3.1	3
39	Physical featuresâ€™ characterization of the water-in-mineral oil macro emulsion stabilized by a nonionic surfactant. Journal of Dispersion Science and Technology, 2020, , 1-16.	2.4	3
40	Noble metal alloys for load-bearing implant applications. , 2021, , 127-156.		3
41	A Numerical Investigation of the Hydraulic Fracturing Mechanism in Oil Sands. , 2014, , .		1
42	Evaluation of numerical schemes for capturing shock waves in modeling proppant transport in fractures. Petroleum Science, 2017, 14, 731-745.	4.9	1
43	Theory and numerical approaches of high order fractional Sturmâ€“Liouville problems. Turkish Journal of Mathematics, 2021, 45, 1564-1579.	0.7	0
44	Measuring Interparticle Friction of Granules for Micromechanical Modeling. Energies, 2022, 15, 3967.	3.1	0