

Terry C Lowe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2054098/publications.pdf>

Version: 2024-02-01

18
papers

1,524
citations

1040056

9
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

1331
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous processing of ultrafine grained Al by ECAP Conform. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 382, 30-34.	5.6	376
2	Microstructural evolution, microhardness and thermal stability of HPT-processed Cu. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 290, 128-138.	5.6	309
3	Microstructure and properties of pure Ti processed by ECAP and cold extrusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 303, 82-89.	5.6	277
4	Advances in metals and alloys for joint replacement. Progress in Materials Science, 2017, 88, 232-280.	32.8	227
5	Development of repetitive corrugation and straightening. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 371, 35-39.	5.6	141
6	Long-Length Ultrafine-Grained Titanium Rods Produced by ECAP-Conform. Materials Science Forum, 0, 584-586, 80-85.	0.3	50
7	Synthesis of an Al/Al ₂ O ₃ composite by severe plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 646, 234-241.	5.6	39
8	The strength and toughness of cement reinforced with bone-shaped steel wires. Composites Science and Technology, 2000, 60, 1753-1761.	7.8	33
9	Commercialization of bulk nanostructured metals and alloys. MRS Bulletin, 2021, 46, 265-272.	3.5	20
10	Effect of surface grain boundary density on preosteoblast proliferation on titanium. Materials Research Letters, 2020, 8, 239-246.	8.7	12
11	Isothermal Continuous Equal Channel Angular Pressing of Magnesium Alloy AZ31. Jom, 2020, 72, 2603-2611.	1.9	11
12	Bending Fatigue Testing of Commercial Purity Titanium for Dental Implants. Advanced Engineering Materials, 2016, 18, 1166-1173.	3.5	8
13	Understanding the biological responses of nanostructured metals and surfaces. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012172.	0.6	5
14	Increasing the Strength and Electrical Conductivity of AA6101 Aluminum by Nanostructuring. Minerals, Metals and Materials Series, 2019, , 1507-1513.	0.4	5
15	Scientific and Technological Foundations for Scaling Production of Nanostructured Metals. IOP Conference Series: Materials Science and Engineering, 2017, 194, 012005.	0.6	4
16	Bio-activating ultrafine grain titanium: RNA sequencing reveals enhanced mechano-activation of osteoconduction on nanostructured substrates. PLoS ONE, 2020, 15, e0237463.	2.5	4
17	High-speed Continuous Equal Channel Angular Pressing of 316 LVM stainless steel. Materials Letters, 2021, 304, 130631.	2.6	2
18	Rapid Method to Quantify the Antiviral Potential of Porous and Nonporous Material Using the Enveloped Bacteriophage Phi6. Environmental Science & Technology, 2022, 56, 8350-8362.	10.0	1