

Shan Hu

List of Publications by Year in descending order

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16
papers

769
citations

840776

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all docs

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docs citations

16
times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the nanostructure evolution and the mechanical strengthening of the M50 bearing steel during ultrasonic shot peening. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 836, 142721.	5.6	52
2	Enhanced Wear Resistance of the Ultrastrong Ultrasonic Shot-Peened M50 Bearing Steel with Gradient Nanograins. <i>Metals</i> , 2022, 12, 424.	2.3	13
3	Ultrastrong medium entropy alloy with simultaneous strength-ductility improvement via heterogeneous nanocrystalline structures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 823, 141631.	5.6	16
4	Elastic Modulus, Hardness, and Fracture Toughness of $\text{Li}_{6.4}\text{La}_3\text{Zr}_{1.4}\text{Ta}_{0.6}\text{O}_{12}$ Solid Electrolyte. <i>Chinese Physics Letters</i> , 2021, 38, 098401.	3.3	7
5	Strain rate sensitivity of the ultrastrong gradient nanocrystalline 316L stainless steel and its rate-dependent modeling at nanoscale. <i>International Journal of Plasticity</i> , 2020, 129, 102696.	8.8	46
6	Enhanced Mechanical and Biological Performance of an Extremely Fine Nanograined 316L Stainless Steel Cell-Substrate Interface Fabricated by Ultrasonic Shot Peening. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1609-1621.	5.2	12
7	Ultrastrong nanocrystalline stainless steel and its Hall-Petch relationship in the nanoscale. <i>Scripta Materialia</i> , 2018, 155, 26-31.	5.2	72
8	Overview of ultrasonic shot peening. <i>Surface Engineering</i> , 2017, 33, 651-666.	2.2	44
9	In-situ method to produce nanograined metallic powders/flakes via ultrasonic shot peening. <i>Journal of Manufacturing Processes</i> , 2017, 26, 393-398.	5.9	6
10	Enhanced human osteoblast cell functions by "net-like" nanostructured cell-substrate interface in orthopedic applications. <i>Materials Letters</i> , 2017, 189, 275-278.	2.6	11
11	Mesoporous Carbon Nanofibers Embedded with MoS_2 Nanocrystals for Extraordinary Li^+ Ion Storage. <i>Chemistry - A European Journal</i> , 2015, 21, 18248-18257.	3.3	25
12	Surface Nanocrystallization and Numerical Modeling of Low Carbon Steel by Means of Ultrasonic Shot Peening. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 1253-1261.	2.2	28
13	Facile and Green Preparation for the Formation of MoO_2 -GO Composites as Anode Material for Lithium-ion Batteries. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24890-24897.	3.1	58
14	Preparation of carbon coated MoS_2 flower-like nanostructure with self-assembled nanosheets as high-performance lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7862.	10.3	226
15	CoO -carbon nanofiber networks prepared by electrospinning as binder-free anode materials for lithium-ion batteries with enhanced properties. <i>Nanoscale</i> , 2013, 5, 12342.	5.6	149
16	Growth of molybdate nanorods through an intermediate sustained release process. <i>CrystEngComm</i> , 2011, 13, 1755.	2.6	4