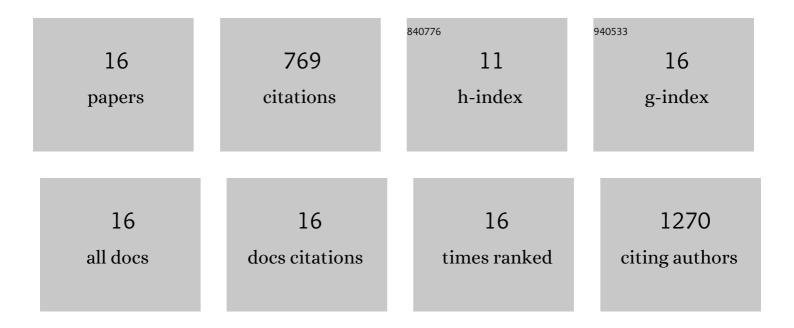
Shan Hu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Preparation of carbon coated MoS2 flower-like nanostructure with self-assembled nanosheets as high-performance lithium-ion battery anodes. Journal of Materials Chemistry A, 2014, 2, 7862.	10.3	226
2	CoO–carbon nanofiber networks prepared by electrospinning as binder-free anode materials for lithium-ion batteries with enhanced properties. Nanoscale, 2013, 5, 12342.	5.6	149
3	Ultrastrong nanocrystalline stainless steel and its Hall-Petch relationship in the nanoscale. Scripta Materialia, 2018, 155, 26-31.	5.2	72
4	Facile and Green Preparation for the Formation of MoO ₂ -GO Composites as Anode Material for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2014, 118, 24890-24897.	3.1	58
5	Understanding the nanostructure evolution and the mechanical strengthening of the M50 bearing steel during ultrasonic shot peening. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 836, 142721.	5.6	52
6	Strain rate sensitivity of the ultrastrong gradient nanocrystalline 316L stainless steel and its rate-dependent modeling at nanoscale. International Journal of Plasticity, 2020, 129, 102696.	8.8	46
7	Overview of ultrasonic shot peening. Surface Engineering, 2017, 33, 651-666.	2.2	44
8	Surface Nanocrystallization and Numerical Modeling of Low Carbon Steel by Means of Ultrasonic Shot Peening. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1253-1261.	2.2	28
9	Mesoporous Carbon Nanofibers Embedded with MoS ₂ Nanocrystals for Extraordinary Li″on Storage. Chemistry - A European Journal, 2015, 21, 18248-18257.	3.3	25
10	Ultrastrong medium entropy alloy with simultaneous strength-ductility improvement via heterogeneous nanocrystalline structures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 823, 141631.	5.6	16
11	Enhanced Wear Resistance of the Ultrastrong Ultrasonic Shot-Peened M50 Bearing Steel with Gradient Nanograins. Metals, 2022, 12, 424.	2.3	13
12	Enhanced Mechanical and Biological Performance of an Extremely Fine Nanograined 316L Stainless Steel Cell–Substrate Interface Fabricated by Ultrasonic Shot Peening. ACS Biomaterials Science and Engineering, 2018, 4, 1609-1621.	5.2	12
13	Enhanced human osteoblast cell functions by "net-like―nanostructured cell-substrate interface in orthopedic applications. Materials Letters, 2017, 189, 275-278.	2.6	11
14	Elastic Modulus, Hardness, and Fracture Toughness of Li _{6.4} La ₃ Zr _{1.4} Ta _{0.6} O ₁₂ Solid Electrolyte. Chinese Physics Letters, 2021, 38, 098401.	3.3	7
15	In-situ method to produce nanograined metallic powders/flakes via ultrasonic shot peening. Journal of Manufacturing Processes, 2017, 26, 393-398.	5.9	6
16	Growth of molybdate nanorods through an intermediate sustained release process. CrystEngComm, 2011, 13, 1755.	2.6	4