

# Jianjun Wang

## List of Publications by Year in descending order

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32  
papers

495  
citations

933447

10  
h-index

677142

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spongy bilayer dressing composed of chitosan@Ag nanoparticles and chitosan@Bletilla striata polysaccharide for wound healing applications. <i>Carbohydrate Polymers</i> , 2017, 157, 1538-1547.	10.2	150
2	Direct microbial electron uptake as a mechanism for stainless steel corrosion in aerobic environments. <i>Water Research</i> , 2022, 219, 118553.	11.3	63
3	Sensitivity of Coulomb stress change to the parameters of the Coulomb failure model: A case study using the 2008 Mw 7.9 Wenchuan earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 3371-3392.	3.4	40
4	Tuning heterostructures with powder metallurgy for high synergistic strengthening and hetero-deformation induced hardening. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 777, 139074.	5.6	31
5	Enhancing the bake-hardening responses of a pre-aged Al-Mg-Si alloy by trace Sn additions. <i>Journal of Materials Science and Technology</i> , 2020, 40, 107-112.	10.7	24
6	Synthesis of super-fine L10-FePt nanoparticles with high ordering degree by two-step sintering under high magnetic field. <i>Journal of Materials Science and Technology</i> , 2021, 73, 178-185.	10.7	17
7	Direct Synthesis of L10-FePt Nanoparticles with High Coercivity via Pb Addition for Applications in Permanent Magnets and Catalysts. <i>ACS Applied Nano Materials</i> , 2020, 3, 1098-1103.	5.0	16
8	Effect of heating rate during solution treatment on the bendability of Al-Mg-Si alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 791, 139604.	5.6	15
9	Enhanced high-temperature age-hardening behavior and mechanical properties of Al-Mg-Si alloys via microalloying with Cd. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 825, 141910.	5.6	14
10	Mitigating net global warming potential and greenhouse gas intensity by intermittent irrigation under straw incorporation in Chinese double-rice cropping systems. <i>Paddy and Water Environment</i> , 2020, 18, 99-109.	1.8	12
11	Incompleteness of bainite transformation in quenched and tempered steel under continuous cooling conditions. <i>Journal of Materials Research and Technology</i> , 2020, 9, 8985-8996.	5.8	11
12	Development of a path planning algorithm for reduced dimension patch printing conductive pattern on surfaces. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 1645-1654.	3.0	9
13	Facile liquid-assisted one-step sintering synthesis of superfine L10-FePt nanoparticles. <i>RSC Advances</i> , 2019, 9, 36034-36039.	3.6	9
14	Precipitation process of vanadium carbide in M23C6 by atomic-scale configuration analysis. <i>Journal of Materials Science</i> , 2020, 55, 762-773.	3.7	9
15	Tailoring cementite precipitation and mechanical properties of quenched and tempered steel by nickel partitioning between cementite and ferrite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 802, 140686.	5.6	9
16	Magnetic anisotropy of epitaxially grown Co and its alloy thin films. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 185008.	1.8	8
17	Crystal structures and magnetic properties of epitaxial Co/W perpendicular films. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 334, 119-123.	2.3	8
18	High-resolution multiscale modeling of mechanical behavior of cold-drawn pearlitic steels. <i>Journal of Materials Research and Technology</i> , 2021, 15, 5920-5935.	5.8	8

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19	Evolution of deformation twins with strain rate in a medium-manganese wear-resistant steel Fe <sup>8</sup> Mn <sup>1</sup> C <sup>1.2</sup> Cr <sup>0.2</sup> V. Journal of Iron and Steel Research International, 2019, 26, 983-990.	2.8	7
20	Reformation Behavior of Austenite in 2205 Duplex Stainless Steel with Rapid Heat Treatment. Steel Research International, 2019, 90, 1800305.	1.8	6
21	Chronic fatigue stress leads to up-regulation of nitric oxide synthase in the rat nucleus accumbens. Scandinavian Journal of Medicine and Science in Sports, 2008, 18, 715-718.	2.9	5
22	Effect of the Ag evolution process on ordering the transition for $1<sub>0</sub>$ -FePt nanoparticles synthesized by Ag addition. New Journal of Chemistry, 2022, 46, 6747-6755.	2.8	5
23	Modelling of Power-Law Fluid Flow Inside a Piezoelectric Inkjet Printhead. Sensors, 2021, 21, 2441.	3.8	4
24	Mechanical properties and microstructure evolution of cold-deformed high-nitrogen nickel-free austenitic stainless steel during annealing. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 830-835.	1.0	3
25	A first-principles investigation on the effect of the divacancy defect on magnetic properties of Fe <sub>94</sub> V <sub>6</sub> alloy. Journal of Applied Physics, 2018, 124, 163904.	2.5	3
26	Multistage serrated flow behavior of a medium-manganese high-carbon steel. Journal of Iron and Steel Research International, 2020, 27, 1064-1072.	2.8	2
27	Investigation on vanadium carbide transformations in M <sub>23</sub> C <sub>6</sub> carbide by experimental observation and crystallographic analysis. Materials Characterization, 2020, 167, 110485.	4.4	2
28	Influence of a Reduction Process on the Phase Component and Magnetic Properties of NdFeB Magnetic Nanoparticles. Journal of Nanoscience and Nanotechnology, 2021, 21, 715-719.	0.9	2
29	Atomic interaction effect on magnetic properties of $1<sub>0</sub>$ -phase Fe <sup>8</sup> V alloys by Mössbauer and X-ray photoelectron spectroscopy. Physica A: Statistical Mechanics and Its Applications, 2021, 567, 125676.	2.6	1
30	Rupture Process of the 2017 Mw <sup>6.3</sup> Earthquake in Jinghe, Northwest China, Constrained by GNSS, InSAR, and Teleseismic Waveforms. Seismological Research Letters, 0, , .	1.9	1
31	Seismogenic Structure of the 2017 Ms <sup>6.6</sup> Jinghe, China, Earthquake Inferred from Seismic Detection and Relocation. Seismological Research Letters, 2022, 93, 2612-2624.	1.9	1
32	Magnetic Effect of the Occupied State of V Atom in Fe <sup>8</sup> V Alloy: First-Principles Calculation and Mössbauer Spectroscopy. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1425.	1.8	0