

# Peng Chen

## List of Publications by Year in descending order

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16  
papers

445  
citations

840585

11  
h-index

996849

15  
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16  
docs citations

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times ranked

398  
citing authors

#	ARTICLE	IF	CITATIONS
1	Different role of second phase in the micro-galvanic corrosion of WE43 Mg alloy in NaCl and Na <sub>2</sub> SO <sub>4</sub> solution. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 1598-1608.	5.5	29
2	Rejuvenation of plasticity via deformation graining in magnesium. <i>Nature Communications</i> , 2022, 13, 1060.	5.8	26
3	Boosting the performance of nickel-cobalt LDH cathode with phosphorus and selenium co-doping for hybrid supercapacitor. <i>Materials Research Letters</i> , 2022, 10, 593-601.	4.1	15
4	Construction of Ni <sub>3</sub> S <sub>2</sub> -Ni <sub>x</sub> P <sub>y</sub> /NF@NiFe LDH with heterogeneous interface to accelerate catalytic kinetics of overall water splitting. <i>Materials Research Letters</i> , 2022, 10, 762-770.	4.1	8
5	Healing of nanocracks by collision cascades in nickel. <i>Journal of Nuclear Materials</i> , 2021, 555, 153124.	1.3	5
6	Dislocation twin transmutations during interaction between prismatic slip and twin in magnesium. <i>Acta Materialia</i> , 2020, 186, 291-307.	3.8	25
7	Characterizing local metallic bonding variation induced by external perturbation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2372-2378.	1.3	3
8	Misfit strain induced phase transformation at a basal/prismatic twin boundary in deformation of magnesium. <i>Computational Materials Science</i> , 2019, 164, 186-194.	1.4	16
9	Dislocation absorption and transmutation at twin boundaries in deformation of titanium. <i>Acta Materialia</i> , 2019, 171, 100-110.	3.8	43
10	Dislocation absorption and transmutation at twin boundaries in deformation of magnesium. <i>Acta Materialia</i> , 2019, 171, 111-120.	3.8	64
11	Twin boundaries between slip bands in magnesium. <i>Materials Science Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 729, 285-293.	0.3	0
12	Twin-Slip Interaction at Low Stress Stage Deformation in an AZ31 Mg Alloy. <i>Minerals, Metals and Materials Series</i> , 2018, , 193-198.	0.3	0
13	Negligible effect of twin-slip interaction on hardening in deformation of a Mg-3Al-1Zn alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 729, 285-293.	2.6	34
14	The Role of Blue-emissive 1,8-naphthalimidopyridine Oxide in Sensitizing Eu <sup>III</sup> Photoluminescence in Dimeric Hexafluoroacetylacetonate Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2211-2219.	1.0	17
15	A Comparative Investigation on the Corrosion Behavior of cast and rolled ZG21 Mg Alloys. <i>International Journal of Electrochemical Science</i> , 2017, , 3765-3781.	0.5	2
16	The Special Role of Anodic Second Phases in the Micro-galvanic Corrosion of EW75 Mg Alloy. <i>Electrochimica Acta</i> , 2016, 189, 190-195.	2.6	122