

Zhi Chen

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

377
citations

1478505

6
h-index

752698

20
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all docs

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docs citations

20
times ranked

324
citing authors

#	ARTICLE	IF	CITATIONS
1	A rapid one-step process for fabrication of superhydrophobic surface by electrodeposition method. <i>Electrochimica Acta</i> , 2012, 59, 168-171.	5.2	144
2	One-step electrodeposition process to fabricate cathodic superhydrophobic surface. <i>Applied Surface Science</i> , 2011, 258, 1395-1398.	6.1	74
3	A fast electrodeposition method for fabrication of lanthanum superhydrophobic surface with hierarchical micro-nanostructures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 401, 1-7.	4.7	50
4	Electrodeposition fabrication of Co-based superhydrophobic powder coatings in non-aqueous electrolyte. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 581-585.	2.3	33
5	A novel and expeditious method to fabricate superhydrophobic metal carboxylate surface. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 35-40.	2.3	11
6	Phase-field crystal simulation facet and branch crystal growth. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	9
7	Numerical simulation of facet dendrite growth. <i>Transactions of Nonferrous Metals Society of China</i> , 2008, 18, 938-943.	4.2	6
8	Simulation of faceted dendrite growth of non-isothermal alloy in forced flow by phase field method. <i>Central South University</i> , 2011, 18, 1780-1788.	0.5	6
9	Tunable Two-Layer Dual-Band Metamaterial with Negative Modulus. <i>Materials</i> , 2019, 12, 3229.	2.9	6
10	Numerical simulation of facet dendritic growth in a forced flow. <i>Canadian Journal of Physics</i> , 2009, 87, 117-123.	1.1	5
11	Phase field method simulation of faceted dendrite growth with arbitrary symmetries. <i>Transactions of Nonferrous Metals Society of China</i> , 2018, 28, 290-297.	4.2	5
12	The Effect of Geometrical Parameters on Resonance Characteristics of Acoustic Metamaterials with Negative Effective Modulus. <i>Advances in Condensed Matter Physics</i> , 2018, 2018, 1-8.	1.1	5
13	One-step fabrication of soft calcium superhydrophobic surfaces by a simple electrodeposition process. <i>RSC Advances</i> , 2021, 12, 297-308.	3.6	5
14	Multibands acoustic metamaterial with multilayer structure. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 385104.	2.8	4
15	A rapid one-step electrodeposition process for fabrication of superhydrophobic surfaces on anode and cathode. <i>Journal of Central South University</i> , 2016, 23, 1576-1583.	3.0	3
16	Phase-field crystal method for multiscale microstructures with cubic term. <i>Materials Today Communications</i> , 2021, 29, 102935.	1.9	3
17	Flexible Manipulation of the Reflected Wavefront Using Acoustic Metasurface with Split Hollow Cuboid. <i>Materials</i> , 2022, 15, 1189.	2.9	3
18	Stability range of tilted dendritic arrays during directional solidification. <i>Science China Technological Sciences</i> , 2014, 57, 2530-2535.	4.0	2

#	ARTICLE	IF	CITATIONS
19	Tri-Band Negative Modulus Acoustic Metamaterial With Nested Split Hollow Spheres. <i>Frontiers in Materials</i> , 2022, 9, .	2.4	2
20	Numerical simulation for isothermal dendritic growth of succinonitrile-acetone alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2008, 18, 654-659.	4.2	1