

Xia Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

615
citations

840776

11
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

723
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale fabrication of translucent and repairable superhydrophobic spray coatings with remarkable mechanical, chemical durability and UV resistance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10622-10631.	10.3	164
2	Facile fabrication of stable superhydrophobic SiO ₂ /polystyrene coating and separation of liquids with different surface tension. <i>Chemical Engineering Journal</i> , 2013, 231, 414-419.	12.7	88
3	Flexible and mechanically robust superhydrophobic silicone surfaces with stable Cassie-Baxter state. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14180-14186.	10.3	71
4	Laser ablation of Co/Ge mixtures: a new type of endohedral structure, a semiconductor cage trapping a metal atom. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1573-1576.	1.5	51
5	Formation of binary alloy cluster ions from group-14 elements and cobalt and comparison with solid-state alloys. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 2399-2403.	1.5	47
6	Durable fire retardant, superhydrophobic, abrasive resistant and air/UV stable coatings. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 301-311.	9.4	39
7	Reactive silica nanoparticles turn epoxy coating from hydrophilic to super-robust superhydrophobic. <i>RSC Advances</i> , 2019, 9, 12547-12554.	3.6	28
8	Flexible and Strong Robust Superhydrophobic Monoliths with Antibacterial Property. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4856-4863.	4.4	22
9	Computational Intelligence-Assisted Understanding of Nature-Inspired Superhydrophobic Behavior. <i>Advanced Science</i> , 2018, 5, 1700520.	11.2	19
10	Formation, growth mechanism and packing sequences of binary alloy cluster anions from laser ablation of mixtures of lead and transition metals. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 621-626.	1.5	13
11	Modifying Epoxy Resins to Resist Both Fire and Water. <i>Langmuir</i> , 2019, 35, 14332-14338.	3.5	12
12	Magnetic Field-Induced Orientation of Modified Boron Nitride Nanosheets in Epoxy Resin with Improved Flame and Wear Resistance. <i>Langmuir</i> , 2021, 37, 8222-8231.	3.5	12
13	Formation, photodissociation and structure of chromium/phosphorus binary cluster ions. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1255-1259.	1.5	11
14	Nonfluoride-modified halloysite nanotube-based hybrid: potential for acquiring super-hydrophobicity and improving flame retardancy of epoxy resin. <i>Journal of Nanostructure in Chemistry</i> , 2021, 11, 353-366.	9.1	9
15	Reactions of first-row transition metal ions with propargyl alcohol in the gas phase. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1317-1321.	1.5	8
16	Strong robust superhydrophobic C/silicone monolith for photothermal ice removal. <i>Journal of Materials Science</i> , 2022, 57, 6963-6970.	3.7	8
17	Mussel-Inspired Interfacial Modification for Ultra-Stable MoS ₂ Lubricating Films with Improved Tribological Behavior on Nano-Textured ZnO Surfaces Using the AACVD Method. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 27484-27494.	8.0	7
18	Fabrication of C-Doped Titanium Dioxide Coatings with Improved Anti-icing and Tribological Behavior. <i>Langmuir</i> , 2022, 38, 576-583.	3.5	5

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19	Flame retardant and superhydrophobic composites via oriented arrangement of boron nitride nanosheets. <i>Journal of Materials Science</i> , 2021, 56, 19955-19968.	3.7	1