

Shuohan Huang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6606830/publications.pdf>

Version: 2024-02-01

28
papers

1,023
citations

516710

16
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

1075
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrolysis of 2D Transition-Metal Carbides (MXenes) in Colloidal Solutions. <i>Inorganic Chemistry</i> , 2019, 58, 1958-1966.	4.0	280
2	Unleashing the potential of Ti ₂ CT _x MXene as a pulse modulator for mid-infrared fiber lasers. <i>2D Materials</i> , 2019, 6, 045038.	4.4	83
3	Adhesion of two-dimensional titanium carbides (MXenes) and graphene to silicon. <i>Nature Communications</i> , 2019, 10, 3014.	12.8	81
4	Dynamical Control over Terahertz Electromagnetic Interference Shielding with 2D Ti ₃ C ₂ T _y MXene by Ultrafast Optical Pulses. <i>Nano Letters</i> , 2020, 20, 636-643.	9.1	75
5	Understanding Chemistry of Two-Dimensional Transition Metal Carbides and Carbonitrides (MXenes) with Gas Analysis. <i>ACS Nano</i> , 2020, 14, 10251-10257.	14.6	74
6	Achieving superlubricity with 2D transition metal carbides (MXenes) and MXene/graphene coatings. <i>Materials Today Advances</i> , 2021, 9, 100133.	5.2	44
7	The structure of 55-atom Cu ⁺ Au bimetallic clusters: Monte Carlo study. <i>European Physical Journal D</i> , 2006, 39, 41-48.	1.3	40
8	Ti ₂ CT _x MXene-based all-optical modulator. <i>Informa[®] Materials</i> , 2020, 2, 601-609.	17.3	39
9	Adhesion Between MXenes and Other 2D Materials. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4682-4691.	8.0	39
10	Research progress of low dielectric constant polymer materials. <i>Journal of Polymer Engineering</i> , 2022, 42, 677-687.	1.4	37
11	Influence of arginine on the growth, arginine metabolism and amino acid consumption profiles of <i>Streptococcus thermophilus</i> T1C2 in controlled pH batch fermentations. <i>Journal of Applied Microbiology</i> , 2016, 121, 746-756.	3.1	36
12	Rational design of POSS containing low dielectric resin for SLA printing electronic circuit plate composites. <i>Composites Science and Technology</i> , 2022, 223, 109403.	7.8	32
13	Combination of High pH and an Antioxidant Improves Chemical Stability of Two-Dimensional Transition-Metal Carbides and Carbonitrides (MXenes) in Aqueous Colloidal Solutions. <i>Inorganic Chemistry</i> , 2022, 61, 9877-9887.	4.0	23
14	Surface functionalization of cellulose nanocrystals with polymeric ionic liquids during phase transfer. <i>Carbohydrate Polymers</i> , 2017, 157, 1426-1433.	10.2	19
15	Cellulose nanocrystal enhanced, high dielectric 3D printing composite resin for energy applications. <i>Composites Science and Technology</i> , 2022, 227, 109601.	7.8	19
16	Friction between MXenes and other two-dimensional materials at the nanoscale. <i>Carbon</i> , 2022, 196, 774-782.	10.3	17
17	Preparation, structure, and properties of melt spun cellulose acetate butyrate fibers. <i>Textile Research Journal</i> , 2018, 88, 1491-1504.	2.2	16
18	<i>In Situ</i> Tensile Testing of Nanometer-Thick Two-Dimensional Transition-Metal Carbide Films: Implications for MXenes Acting as Nanoscale Reinforcement Agents. <i>ACS Applied Nano Materials</i> , 2021, 4, 5058-5067.	5.0	15

#	ARTICLE	IF	CITATIONS
19	Eco-friendly cellulose acetate butyrate/poly(butylene succinate) blends: crystallization, miscibility, thermostability, rheological and mechanical properties. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	14
20	Evaluation of autochthonous micrococcus strains as starter cultures for the production of Kedong sufu. <i>Journal of Applied Microbiology</i> , 2016, 120, 671-683.	3.1	9
21	Conductive graphene coated carboxymethyl cellulose hybrid fibers with polymeric ionic liquids as intermediate. <i>Carbohydrate Polymers</i> , 2022, 280, 119009.	10.2	7
22	A Strategy to Achieve the Inherently Flame-retardant PA56 by Copolymerization with DDP. <i>Journal of Polymers and the Environment</i> , 2022, 30, 3802-3814.	5.0	6
23	Synthesis and Characterization of Novel Thermotropic Aromatic-Aliphatic Biodegradable Copolyesters Containing D,L-Lactic acid (LA), Poly(butylene terephthalate) (PBT) and Biomesogenic Units. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1697-1705.	1.9	5
24	In-situ SEM compression of accordion-like multilayer MXenes. <i>Extreme Mechanics Letters</i> , 2020, 41, 101054.	4.1	5
25	Molecular dynamics simulation of shell-symmetric Pd nanoclusters. <i>Molecular Simulation</i> , 2005, 31, 1057-1061.	2.0	4
26	Hard template synthesis of 2D porous Co ₃ O ₄ nanosheets with graphene oxide for H ₂ O ₂ sensing. <i>Nanotechnology</i> , 2021, 32, 015502.	2.6	1
27	2D MXenes: Terahertz Properties and Applications. , 2020, , .		1
28	A Novel THz Electromagnetic Interference Shielding Material: 2D Ti ₃ C ₂ Ty MXene. , 2020, , .		1