

Chi-Chin Wu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Energetic Performance of Optically Activated Aluminum/Graphene Oxide Composites. ACS Nano, 2018, 12, 11366-11375.	14.6	99
2	Improving the Explosive Performance of Aluminum Nanoparticles with Aluminum Iodate Hexahydrate (AIH). Scientific Reports, 2018, 8, 8036.	3.3	42
3	Plasma surface treatment of aluminum nanoparticles for energetic material applications. Combustion and Flame, 2019, 206, 211-213.	5.2	40
4	Replacing the Al ₂ O ₃ Shell on Al Particles with an Oxidizing Salt, Aluminum Iodate Hexahydrate. Part I: Reactivity. Journal of Physical Chemistry C, 2017, 121, 23184-23191.	3.1	26
5	Iron sulfide films via Fe ₂ (CO) ₆ (I ^{1/4} -S ₂) as a MOCVD single source precursor. Inorganica Chimica Acta, 2002, 334, 276-282.	2.4	19
6	Estimating the Relative Energy Content of Reactive Materials Using Nanosecond-Pulsed Laser Ablation. MRS Advances, 2018, 3, 875-886.	0.9	19
7	Ignition and combustion of Perfluoroalkyl-functionalized aluminum nanoparticles and nanothermite. Combustion and Flame, 2022, 242, 112170.	5.2	18
8	The strength of binary junctions in hexagonal close-packed crystals. Acta Materialia, 2013, 61, 3422-3431.	7.9	16
9	Inductively coupled nonthermal plasma synthesis of aluminum nanoparticles. Nanotechnology, 2021, 32, .	2.6	10
10	Effect of Hydration on Promoting Oxidative Reactions with Aluminum Oxide and Oxyhydroxide Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 15017-15026.	3.1	8
11	Material Characterization of Plasma-Treated Aluminum Particles via Different Gases. MRS Advances, 2019, 4, 1589-1595.	0.9	7
12	Advanced nanoscale characterization of aluminum nanoparticles with modified surface morphology via atmospheric helium and carbon monoxide plasmas. Journal of Applied Physics, 2021, 129, .	2.5	7
13	Chemically driven energetic molecular ferroelectrics. Nature Communications, 2021, 12, 5696.	12.8	6
14	Cross slip of dislocation loops in GaN under shear. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 432-436.	0.8	5
15	Binary dislocation junction formation and strength in hexagonal close-packed crystals. International Journal of Plasticity, 2016, 79, 176-195.	8.8	5
16	On the structure and impurities of a nominally homologous set of detonation nanodiamonds. Diamond and Related Materials, 2017, 76, 157-170.	3.9	5
17	Nanoscale mechanisms of misfit dislocation propagation in undulated Si _{1-x} Gex/Si(100) epitaxial thin films. Nanotechnology, 2007, 18, 165705.	2.6	4
18	Optimizing the Performance of Aluminized Explosives: Laser-Based Measurements of Energy Release and Spectroscopic Diagnostics. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Development of environmental policy, objectives, and targets. International Journal of Sustainable Development and World Ecology, 2000, 7, 357-361.	5.9	2
20	Dislocation Dynamics Simulations of Junctions in Hexagonal Close-Packed Crystals. Materials Research Society Symposia Proceedings, 2012, 1424, 67.	0.1	2
21	Hydration of alumina (Al ₂ O ₃) toward advancing aluminum particles for energy generation applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 652, 129740.	4.7	2
22	Enhanced Interfacial Adhesion of Nylon 66 to Epoxy Resin EPON 825 by Non-thermal Atmospheric Pressure Dielectric Barrier Discharge Plasmas. Coatings, 2022, 12, 919.	2.6	1