

Yong Pei

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1429249/publications.pdf>

Version: 2024-02-01

22
papers

2,059
citations

471509

17
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

2346
citing authors

#	ARTICLE	IF	CITATIONS
1	Nature-inspired salt resistant bimodal porous solar evaporator for efficient and stable water desalination. <i>Energy and Environmental Science</i> , 2019, 12, 1558-1567.	30.8	482
2	A general method to synthesize and sinter bulk ceramics in seconds. <i>Science</i> , 2020, 368, 521-526.	12.6	357
3	Scalable aesthetic transparent wood for energy efficient buildings. <i>Nature Communications</i> , 2020, 11, 3836.	12.8	180
4	Clear Wood toward High-Performance Building Materials. <i>ACS Nano</i> , 2019, 13, 9993-10001.	14.6	138
5	Bioinspired Solar-Heated Carbon Absorbent for Efficient Cleanup of Highly Viscous Crude Oil. <i>Advanced Functional Materials</i> , 2019, 29, 1900162.	14.9	116
6	Rapid Processing of Whole Bamboo with Exposed, Aligned Nanofibrils toward a High-Performance Structural Material. <i>ACS Nano</i> , 2020, 14, 5194-5202.	14.6	105
7	General, Vertical, Three-Dimensional Printing of Two-Dimensional Materials with Multiscale Alignment. <i>ACS Nano</i> , 2019, 13, 12653-12661.	14.6	101
8	Fire-Resistant Structural Material Enabled by an Anisotropic Thermally Conductive Hexagonal Boron Nitride Coating. <i>Advanced Functional Materials</i> , 2020, 30, 1909196.	14.9	94
9	A strong, flame-retardant, and thermally insulating wood laminate. <i>Chemical Engineering Journal</i> , 2020, 383, 123109.	12.7	69
10	Synthesis of Metal Oxide Nanoparticles by Rapid, High-Temperature 3D Microwave Heating. <i>Advanced Functional Materials</i> , 2019, 29, 1904282.	14.9	65
11	Low Tortuous, Highly Conductive, and High-Areal-Capacity Battery Electrodes Enabled by Through-thickness Aligned Carbon Fiber Framework. <i>Nano Letters</i> , 2020, 20, 5504-5512.	9.1	64
12	Programmable heating and quenching for efficient thermochemical synthesis. <i>Nature</i> , 2022, 605, 470-476.	27.8	61
13	Designing Textile Architectures for High Energy-Efficiency Human Body Sweat- and Cooling-Management. <i>Advanced Fiber Materials</i> , 2019, 1, 61-70.	16.1	56
14	An Energy-Efficient, Wood-Derived Structural Material Enabled by Pore Structure Engineering towards Building Efficiency. <i>Small Methods</i> , 2020, 4, 1900747.	8.6	53
15	Continuous 2000-K droplet-to-particle synthesis. <i>Materials Today</i> , 2020, 35, 106-114.	14.2	43
16	Rapid, High-Temperature, In Situ Microwave Synthesis of Bulk Nanocatalysts. <i>Small</i> , 2019, 15, e1904881.	10.0	28
17	Rapid Pressureless Sintering of Glasses. <i>Small</i> , 2022, 18, e2107951.	10.0	20
18	A General Method for Regenerating Catalytic Electrodes. <i>Joule</i> , 2020, 4, 2374-2386.	24.0	15

#	ARTICLE	IF	CITATIONS
19	Equilibrium Thermodynamic Properties of Aqueous Solutions of Ionic Liquid 1-Ethyl-3-Methylimidazolium Methanesulfonate [EMIM][MeSO ₃]. <i>Scientific Reports</i> , 2020, 10, 3174.	3.3	6
20	Influence of the Anions on the Interaction Energy between Water and Ionic Liquids. <i>Chemical Engineering and Technology</i> , 2022, 45, 266-274.	1.5	4
21	A ∇ -gradient coil with outer-wall direct cooling for human brain imaging: A feasibility study. <i>Magnetic Resonance Imaging</i> , 2019, 62, 191-198.	1.8	1
22	Experimental Study on Heat Transfer Enhancement by Using Textile Flap Oscillation. <i>Heat Transfer Engineering</i> , 2022, 43, 503-515.	1.9	1