

# Si-Ming Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12063434/publications.pdf>

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19  
papers

2,288  
citations

623734

14  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

3714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Double-Layer Nacre-Inspired Polyimide-Mica Nanocomposite Films with Excellent Mechanical Stability for LEO Environmental Conditions. <i>Advanced Materials</i> , 2022, 34, e2105299.	21.0	56
2	Radially Porous Nanocomposite Scaffolds with Enhanced Capability for Guiding Bone Regeneration In Vivo. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	36
3	Biomimetic discontinuous Bouligand structural design enables high-performance nanocomposites. <i>Matter</i> , 2022, 5, 1563-1577.	10.0	27
4	Self-Assembly of Nanowires: From Dynamic Monitoring to Precision Control. <i>Accounts of Chemical Research</i> , 2022, 55, 1480-1491.	15.6	12
5	Nacreous aramid-mica bulk materials with excellent mechanical properties and environmental stability. <i>IScience</i> , 2021, 24, 101971.	4.1	15
6	Biomimetic Design and Mass Production of Sustainable Multiscale Cellulose Fibers-Based Hierarchical Filter Materials for Protective Clothing. <i>Advanced Materials Technologies</i> , 2021, 6, 2100193.	5.8	15
7	Strong and tough graphene papers constructed with pyrene-containing small molecules via $\pi$ - $\pi$ /H-bonding synergistic interactions. <i>Science China Materials</i> , 2021, 64, 1206-1218.	6.3	5
8	Bioinspired hierarchical helical nanocomposite macrofibers based on bacterial cellulose nanofibers. <i>National Science Review</i> , 2020, 7, 73-83.	9.5	60
9	Activating proper inflammation for wound-healing acceleration via mesoporous silica nanoparticle tissue adhesive. <i>Nano Research</i> , 2020, 13, 373-379.	10.4	27
10	Superior Biomimetic Nacreous Bulk Nanocomposites by a Multiscale Soft-Rigid Dual-Network Interfacial Design Strategy. <i>Matter</i> , 2019, 1, 412-427.	10.0	81
11	Bio-Inspired Synthesis of Hematite Mesocrystals by Using Xonotlite Nanowires as Growth Modifiers and Their Improved Oxygen Evolution Activity. <i>ChemSusChem</i> , 2019, 12, 3747-3752.	6.8	6
12	A general aerosol-assisted biosynthesis of functional bulk nanocomposites. <i>National Science Review</i> , 2019, 6, 64-73.	9.5	44
13	A Bioinspired Interface Design for Improving the Strength and Electrical Conductivity of Graphene-Based Fibers. <i>Advanced Materials</i> , 2018, 30, e1706435.	21.0	138
14	Charged Nanowire-Directed Growth of Amorphous Calcium Carbonate Nanosheets in a Mixed Solvent for Biomimetic Composite Films. <i>Langmuir</i> , 2018, 34, 5813-5820.	3.5	2
15	Biomimetic twisted plywood structural materials. <i>National Science Review</i> , 2018, 5, 703-714.	9.5	79
16	3D Graphene Films Enable Simultaneously High Sensitivity and Large Stretchability for Strain Sensors. <i>Advanced Functional Materials</i> , 2018, 28, 1803221.	14.9	89
17	Mass production of bulk artificial nacre with excellent mechanical properties. <i>Nature Communications</i> , 2017, 8, 287.	12.8	293
18	Synthetic nacre by predesigned matrix-directed mineralization. <i>Science</i> , 2016, 354, 107-110.	12.6	706

#	ARTICLE	IF	CITATIONS
19	Free-Standing Copper Nanowire Network Current Collector for Improving Lithium Anode Performance. Nano Letters, 2016, 16, 4431-4437.	9.1	597