

# Yulin Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11066369/publications.pdf>

Version: 2024-02-01

16  
papers

1,988  
citations

623734

14  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

3346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiphase design of autonomic self-healing thermoplastic elastomers. <i>Nature Chemistry</i> , 2012, 4, 467-472.	13.6	1,021
2	Sequential catalytic process: synthesis of quinoline derivatives by AuCl <sub>3</sub> /CuBr-catalyzed three-component reaction of aldehydes, amines, and alkynes. <i>Tetrahedron</i> , 2008, 64, 2755-2761.	1.9	169
3	Multivalent hydrogen bonding block copolymers self-assemble into strong and tough self-healing materials. <i>Chemical Communications</i> , 2014, 50, 10868-10870.	4.1	138
4	Highly stable and self-repairing membrane-mimetic 2D nanomaterials assembled from lipid-like peptoids. <i>Nature Communications</i> , 2016, 7, 12252.	12.8	124
5	Investigation of surface effects through the application of the functional binders in lithium sulfur batteries. <i>Nano Energy</i> , 2015, 16, 28-37.	16.0	112
6	Bioinspired Modular Synthesis of Elastin-Mimic Polymers To Probe the Mechanism of Elastin Elasticity. <i>Journal of the American Chemical Society</i> , 2010, 132, 4577-4579.	13.7	73
7	Fabrication of DNA Microarrays with Poly(L-glutamic acid) Monolayers on Gold Substrates for SPR Imaging Measurements. <i>Langmuir</i> , 2009, 25, 5054-5060.	3.5	55
8	Self-assembly of core-shell nanoparticles for self-healing materials. <i>Polymer Chemistry</i> , 2013, 4, 4885.	3.9	51
9	Self-Repair and Patterning of 2D Membrane-Like Peptoid Materials. <i>Advanced Functional Materials</i> , 2016, 26, 8960-8967.	14.9	50
10	Self-healing thermoplastic elastomer brush copolymers having a glassy polymethylmethacrylate backbone and rubbery polyacrylate-amide brushes. <i>Polymer</i> , 2015, 69, 249-254.	3.8	47
11	Improving the performance of lithium-sulfur batteries using conductive polymer and micrometric sulfur powder. <i>Journal of Materials Research</i> , 2014, 29, 1027-1033.	2.6	40
12	Discovery of Stable and Selective Antibody Mimetics from Combinatorial Libraries of Polyvalent, Loop-Functionalized Peptoid Nanosheets. <i>ACS Nano</i> , 2020, 14, 185-195.	14.6	38
13	Sequence-Defined Peptoids with $\gamma$ -OH and $\gamma$ -COOH Groups As Binders to Reduce Cracks of Si Nanoparticles of Lithium-Ion Batteries. <i>Advanced Science</i> , 2020, 7, 2000749.	11.2	38
14	Solid-phase synthesis of three-armed star-shaped peptoids and their hierarchical self-assembly. <i>Biopolymers</i> , 2019, 110, e23258.	2.4	27
15	Syntheses, Structures and Proton Conductivities of Polyphthalazinone Ionomers Derived from a Direct Ni-C Coupling Reaction. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 653-659.	2.2	4
16	Self-Repair: Self-Repair and Patterning of 2D Membrane-Like Peptoid Materials ( <i>Adv. Funct. Mater.</i> )	14.9	1