

# Rui Xiong

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5067800/publications.pdf>

Version: 2024-02-01

19  
papers

1,523  
citations

566801

15  
h-index

839053

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

2507  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrarobust Transparent Cellulose Nanocrystal@Graphene Membranes with High Electrical Conductivity. <i>Advanced Materials</i> , 2016, 28, 1501-1509.	11.1	280
2	Nanofibrillated cellulose as the support and reductant for the facile synthesis of Fe <sub>3</sub> O <sub>4</sub> /Ag nanocomposites with catalytic and antibacterial activity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14910.	5.2	183
3	Naturally-derived biopolymer nanocomposites: Interfacial design, properties and emerging applications. <i>Materials Science and Engineering Reports</i> , 2018, 125, 1-41.	14.8	182
4	Biopolymeric photonic structures: design, fabrication, and emerging applications. <i>Chemical Society Reviews</i> , 2020, 49, 983-1031.	18.7	138
5	Self-Assembly of Emissive Nanocellulose/Quantum Dot Nanostructures for Chiral Fluorescent Materials. <i>ACS Nano</i> , 2019, 13, 9074-9081.	7.3	115
6	Template-Guided Assembly of Silk Fibroin on Cellulose Nanofibers for Robust Nanostructures with Ultrafast Water Transport. <i>ACS Nano</i> , 2017, 11, 12008-12019.	7.3	107
7	Self-Powered Electronic Skin with Biotactile Selectivity. <i>Advanced Materials</i> , 2016, 28, 3549-3556.	11.1	97
8	Wrapping Nanocellulose Nets around Graphene Oxide Sheets. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8508-8513.	7.2	93
9	Chiral Cellulose Nanocrystals with Intercalated Amorphous Polysaccharides for Controlled Iridescence and Enhanced Mechanics. <i>Advanced Functional Materials</i> , 2020, 30, 2003597.	7.8	73
10	Flexible, highly transparent and iridescent all-cellulose hybrid nanopaper with enhanced mechanical strength and writable surface. <i>Carbohydrate Polymers</i> , 2014, 113, 264-271.	5.1	54
11	Ultrastrong Freestanding Graphene Oxide Nanomembranes with Surface-Enhanced Raman Scattering Functionality by Solvent-Assisted Single-Component Layer-by-Layer Assembly. <i>ACS Nano</i> , 2016, 10, 6702-6715.	7.3	45
12	Alternating Stacking of Nanocrystals and Nanofibers into Ultrastrong Chiral Biocomposite Laminates. <i>ACS Nano</i> , 2020, 14, 14675-14685.	7.3	41
13	Integration of Optical Surface Structures with Chiral Nanocellulose for Enhanced Chiroptical Properties. <i>Advanced Materials</i> , 2020, 32, e1905600.	11.1	40
14	Probing Flexural Properties of Cellulose Nanocrystal@Graphene Nanomembranes with Force Spectroscopy and Bulging Test. <i>Langmuir</i> , 2016, 32, 5383-5393.	1.6	27
15	Co-assembling Polysaccharide Nanocrystals and Nanofibers for Robust Chiral Iridescent Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35345-35353.	4.0	17
16	Wrapping Nanocellulose Nets around Graphene Oxide Sheets. <i>Angewandte Chemie</i> , 2018, 130, 8644-8649.	1.6	15
17	Large and Emissive Crystals from Carbon Quantum Dots onto Interfacial Organized Templates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20167-20173.	7.2	14
18	Biotactile Sensors: Self-Powered Electronic Skin with Biotactile Selectivity ( <i>Adv. Mater.</i> 18/2016). <i>Advanced Materials</i> , 2016, 28, 3414-3414.	11.1	2

#	ARTICLE	IF	CITATIONS
19	Large and Emissive Crystals from Carbon Quantum Dots onto Interfacial Organized Templates. <i>Angewandte Chemie</i> , 2020, 132, 20342-20348.	1.6	0