

# Xiang-Yu Yin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4873805/publications.pdf>

Version: 2024-02-01

23  
papers

1,255  
citations

566801

15  
h-index

676716

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1691  
citing authors

#	ARTICLE	IF	CITATIONS
1	Macroporous Double-Network Hydrogel for High-Efficiency Solar Steam Generation Under 1 sun Illumination. ACS Applied Materials & Interfaces, 2018, 10, 10998-11007.	4.0	194
2	Integration of Self-Lubrication and Near-Infrared Photothermogenesis for Excellent Anti-Icing/Deicing Performance. Advanced Functional Materials, 2015, 25, 4237-4245.	7.8	184
3	3D printing of ionic conductors for high-sensitivity wearable sensors. Materials Horizons, 2019, 6, 767-780.	6.4	165
4	Recyclable Polydopamine-Functionalized Sponge for High-Efficiency Clean Water Generation with Dual-Purpose Solar Evaporation and Contaminant Adsorption. ACS Applied Materials & Interfaces, 2019, 11, 32559-32568.	4.0	99
5	Polypyrrole nanowire/TiO <sub>2</sub> nanotube nanocomposites as photoanodes for photocathodic protection of Ti substrate and 304 stainless steel under visible light. Corrosion Science, 2015, 98, 471-477.	3.0	95
6	Monolithic Dual-Material 3D Printing of Ionic Skins with Long-Term Performance Stability. Advanced Functional Materials, 2019, 29, 1904716.	7.8	76
7	3D printing of thermoreversible polyurethanes with targeted shape memory and precise <i>in situ</i> self-healing properties. Journal of Materials Chemistry A, 2019, 7, 6972-6984.	5.2	70
8	Influence of microstructure evolution on tribocorrosion of 304SS in artificial seawater. Corrosion Science, 2014, 88, 423-433.	3.0	67
9	Effect of halide concentration on tribocorrosion behaviour of 304SS in artificial seawater. Corrosion Science, 2015, 99, 272-280.	3.0	59
10	Bioinspired Self-Healing Organic Materials: Chemical Mechanisms and Fabrications. Journal of Bionic Engineering, 2015, 12, 1-16.	2.7	47
11	Tribocorrosion behaviour of type S31254 steel in seawater: Identification of corrosion "wear components and effect of potential. Materials Chemistry and Physics, 2016, 179, 273-281.	2.0	42
12	Highly efficient thermogenesis from Fe <sub>3</sub> O <sub>4</sub> nanoparticles for thermoplastic material repair both in air and underwater. Journal of Materials Chemistry A, 2017, 5, 1221-1232.	5.2	29
13	Controlling liquid movement on a surface with a macro-gradient structure and wetting behavior. Journal of Materials Chemistry A, 2014, 2, 5620.	5.2	25
14	Direct ink writing of recyclable and <i>in situ</i> repairable photothermal polyurethane for sustainable 3D printing development. Journal of Materials Chemistry A, 2021, 9, 6981-6992.	5.2	23
15	Influence of potentials on the tribocorrosion behavior of 304SS in artificial seawater. RSC Advances, 2014, 4, 55752-55759.	1.7	22
16	Tribocorrosion behaviors of 304SS: effect of solution pH. RSC Advances, 2015, 5, 17676-17682.	1.7	15
17	Durable and recyclable conjugated microporous polymer mediated controlled radical polymerization under white LED light irradiation. Polymer Chemistry, 2021, 12, 6714-6723.	1.9	15
18	Photoinduced organocatalyzed controlled radical polymerization feasible over a wide range of wavelengths. Polymer Chemistry, 2022, 13, 527-535.	1.9	12

#	ARTICLE	IF	CITATIONS
19	<p>&lt;scp&gt;Imineâ€based&lt;/scp&gt; covalent organic framework as photocatalyst for &lt;scp&gt;visibleâ€lightâ€induced&lt;/scp&gt; atom transfer radical polymerization. Journal of Polymer Science, 2021, 59, 2036-2044.</p>	2.0	6
20	<p>Rabbit hair regenerative superhydrophobicity. RSC Advances, 2014, 4, 3611-3614.</p>	1.7	5
21	<p>Antifouling Self-Cleaning Surfaces. , 2015, , 1-29.</p>		3
22	<p>Time Dependence of Tribocorrosion Behavior for Stainless Steel and Alumina Tribocouples in Seawater. Tribology Transactions, 2016, 59, 613-621.</p>	1.1	1
23	<p>Nano-Patterned Ionogel Film for High-Sensitivity and Recyclable Flexible Pressure Sensor. IEEE Sensors Journal, 2022, 22, 7656-7664.</p>	2.4	1