

# Qian Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5364809/publications.pdf>

Version: 2024-02-01

14  
papers

2,350  
citations

840776

11  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

3485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalously low dielectric constant of confined water. <i>Science</i> , 2018, 360, 1339-1342.	12.6	627
2	Ultrathin graphene-based membrane with precise molecular sieving and ultrafast solvent permeation. <i>Nature Materials</i> , 2017, 16, 1198-1202.	27.5	549
3	Size effect in ion transport through angstrom-scale slits. <i>Science</i> , 2017, 358, 511-513.	12.6	418
4	Limits on gas impermeability of graphene. <i>Nature</i> , 2020, 579, 229-232.	27.8	220
5	Complete steric exclusion of ions and proton transport through confined monolayer water. <i>Science</i> , 2019, 363, 145-148.	12.6	207
6	Capillary condensation under atomic-scale confinement. <i>Nature</i> , 2020, 588, 250-253.	27.8	168
7	Hybridization-Induced Polarization of Graphene Sheets by Intercalation-Polymerized Polyaniline toward High Performance of Microwave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17100-17107.	8.0	64
8	Influence of Process Parameters on Microstructure and Mechanical Properties of Friction-Stir-Processed Mg-Gd-Y-Zr Casting. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 2094-2109.	2.2	40
9	Influence of Zn interlayer addition on microstructure and mechanical properties of friction stir welded AZ31Mg alloy. <i>Journal of Materials Science</i> , 2015, 50, 4160-4173.	3.7	16
10	Influence of Zn coating on friction stir spot welded magnesium-aluminium joint. <i>Science and Technology of Welding and Joining</i> , 2017, 22, 512-519.	3.1	15
11	Gas permeation through graphdiyne-based nanoporous membranes. <i>Nature Communications</i> , 2022, 13, .	12.8	15
12	Machine learning enhanced electrical impedance tomography for 2D materials. <i>Inverse Problems</i> , 2022, 38, 085007.	2.0	5
13	High yield synthesis of helical carbon nanotubes catalyzed by porous precursor with terrace morphology. <i>Diamond and Related Materials</i> , 2014, 50, 123-128.	3.9	3
14	Relationship Between Nanotubes and Breakdown Voltage in GaN p-n Diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, .	1.8	3