

# In Yee Phang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4005619/publications.pdf>

Version: 2024-02-01

22  
papers

1,252  
citations

471509

17  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1915  
citing authors

#	ARTICLE	IF	CITATIONS
1	Favoring the unfavored: Selective electrochemical nitrogen fixation using a reticular chemistry approach. <i>Science Advances</i> , 2018, 4, eaar3208.	10.3	333
2	ZIFâ€“Induced dâ€“Band Modification in a Bimetallic Nanocatalyst: Achieving Over 44â€“% Efficiency in the Ambient Nitrogen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16997-17003.	13.8	116
3	Tracking Airborne Molecules from Afar: Three-Dimensional Metalâ€“Organic Framework-Surface-Enhanced Raman Scattering Platform for Stand-Off and Real-Time Atmospheric Monitoring. <i>ACS Nano</i> , 2019, 13, 12090-12099.	14.6	87
4	Multiplex Surface-Enhanced Raman Scattering Identification and Quantification of Urine Metabolites in Patient Samples within 30 min. <i>ACS Nano</i> , 2020, 14, 2542-2552.	14.6	87
5	Intensifying Heat Using MOFâ€“Isolated Graphene for Solarâ€“Driven Seawater Desalination at 98% Solarâ€“toâ€“Thermal Efficiency. <i>Advanced Functional Materials</i> , 2021, 31, 2008904.	14.9	87
6	A Chemical Approach To Break the Planar Configuration of Ag Nanocubes into Tunable Two-Dimensional Metasurfaces. <i>Nano Letters</i> , 2016, 16, 3872-3878.	9.1	61
7	Driving CO <sub>2</sub> to a Quasi-Condensed Phase at the Interface between a Nanoparticle Surface and a Metalâ€“Organic Framework at 1 bar and 298 K. <i>Journal of the American Chemical Society</i> , 2017, 139, 11513-11518.	13.7	55
8	Manipulating the d-Band Electronic Structure of Platinum-Functionalized Nanoporous Gold Bowls: Synergistic Intermetallic Interactions Enhance Catalysis. <i>Chemistry of Materials</i> , 2016, 28, 5080-5086.	6.7	49
9	Two-Photon-Assisted Polymerization and Reduction: Emerging Formulations and Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 10061-10079.	8.0	47
10	Concentrating Immiscible Molecules at Solid@MOF Interfacial Nanocavities to Drive an Inert Gasâ€“Liquid Reaction at Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17058-17062.	13.8	43
11	Direct Metal Writing and Precise Positioning of Gold Nanoparticles within Microfluidic Channels for SERS Sensing of Gaseous Analytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39584-39593.	8.0	42
12	Plasmonic Hotspots in Air: An Omnidirectional Threeâ€“Dimensional Platform for Standâ€“Off Inâ€“Air SERS Sensing of Airborne Species. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5792-5796.	13.8	41
13	Online Flowing Colloidosomes for Sequential Multiâ€“Analyte Highâ€“Throughput SERS Analysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5565-5569.	13.8	35
14	Spinning Liquid Marble and Its Dual Applications as Microcentrifuge and Miniature Localized Viscometer. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 23941-23946.	8.0	33
15	ZIFâ€“Induced dâ€“Band Modification in a Bimetallic Nanocatalyst: Achieving Over 44â€“% Efficiency in the Ambient Nitrogen Reduction Reaction. <i>Angewandte Chemie</i> , 2020, 132, 17145-17151.	2.0	31
16	Identifying Enclosed Chemical Reaction and Dynamics at the Molecular Level Using Shell-Isolated Miniaturized Plasmonic Liquid Marble. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1501-1506.	4.6	30
17	Applying a Nanoparticle@MOF Interface To Activate an Unconventional Regioselectivity of an Inert Reaction at Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2020, 142, 11521-11527.	13.7	26
18	Formulating an Ideal Protein Photoresist for Fabricating Dynamic Microstructures with High Aspect Ratios and Uniform Responsiveness. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8145-8153.	8.0	15

#	ARTICLE	IF	CITATIONS
19	Inducing Ring Complexation for Efficient Capture and Detection of Small Gaseous Molecules Using SERS for Environmental Surveillance. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	15
20	Online Flowing Colloidosomes for Sequential Multi-analyte High-Throughput SERS Analysis. <i>Angewandte Chemie</i> , 2017, 129, 5657-5661.	2.0	7
21	Concentrating Immiscible Molecules at Solid@MOF Interfacial Nanocavities to Drive an Inert Gas-Liquid Reaction at Ambient Conditions. <i>Angewandte Chemie</i> , 2018, 130, 17304-17308.	2.0	7
22	Plasmonic Hotspots in Air: An Omnidirectional Three-Dimensional Platform for Stand-Off In-Air SERS Sensing of Airborne Species. <i>Angewandte Chemie</i> , 2018, 130, 5894-5898.	2.0	5