

# Yancong Feng

## List of Publications by Year in descending order

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39  
papers

1,040  
citations

623734

14  
h-index

414414

32  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2130  
citing authors

#	ARTICLE	IF	CITATIONS
1	From Molecular-Scale Cavities to Nanoscale Dielectric Breakdown in Polydimethylsiloxane Induced by Local Electric Field. <i>Macromolecules</i> , 2022, 55, 1690-1699.	4.8	2
2	Additive Engineering in Antisolvent for Widening the Processing Window and Promoting Perovskite Seed Formation in Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 17348-17357.	8.0	9
3	Water- and Heat-Induced Crack-Healing of UCST-Type Poly(acrylamide-co-acrylonitrile) with Intrinsic Controllability and Reversibility. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4860-4867.	4.4	2
4	Where is the best substitution position for amino groups on carbon dots: a computational strategy toward long-wavelength red emission. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14444-14452.	5.5	9
5	Comparison with Experiment, Model, and Simulation for Thermal Conductive Mechanism of Polymer Composites without Particle Network. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100200.	2.2	1
6	Understanding the effect of antisolvent on processing window and efficiency for large-area flexible perovskite solar cells. <i>Materials Today Physics</i> , 2021, 21, 100565.	6.0	9
7	Configuration-Controllable Polymeric Nanovehicles Self-Assembled in Pixel Grids under an Electric Field. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 4052-4060.	8.0	0
8	Stable Triple Cation Perovskite Precursor for Highly Efficient Perovskite Solar Cells Enabled by Interaction with 18C6 Stabilizer. <i>Advanced Functional Materials</i> , 2020, 30, 1908613.	14.9	65
9	Building a smart surface with converse temperature-dependent wettability based on poly(acrylamide-co-acrylonitrile). <i>Chemical Communications</i> , 2020, 56, 2837-2840.	4.1	18
10	Li-ion Cooperative Migration and Oxygen Sulfide Synergistic Effect in $\text{Li}_{14}\text{P}_2\text{Ge}_2\text{S}_{16}\text{O}_6$ Solid-State Electrolyte Enables Extraordinary Conductivity and High Stability. <i>Small</i> , 2020, 16, e1906374.	10.0	27
11	Binary Supramolecular Chirality Switched by Hierarchical Photoisomerization of a Flower-Like Compound with a Binaphthol Core and Alkyl-Functionalized Azobenzene Side Chains. <i>ChemPlusChem</i> , 2020, 85, 1104-1110.	2.8	3
12	Construction of particle network for ultrahigh permittivity of dielectric polymer composite toward energy devices: A molecular dynamics study. <i>Nano Energy</i> , 2019, 64, 103985.	16.0	22
13	Nitrile-butadiene rubber composites with improved electromechanical properties obtained by modification of BaTiO <sub>3</sub> with co-deposited catechol/polyamine and silane grafting. <i>Polymer</i> , 2019, 183, 121813.	3.8	17
14	Transition of interfacial capacitors in electrowetting on a graphite surface by ion intercalation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26284-26291.	2.8	7
15	One-step formation of infrared reflection microsheets via local photo-induced in situ polymerization. <i>RSC Advances</i> , 2019, 9, 30503-30508.	3.6	0
16	Formation mechanism of bound rubber in elastomer nanocomposites: a molecular dynamics simulation study. <i>RSC Advances</i> , 2018, 8, 13008-13017.	3.6	10
17	Insight into fast ion migration kinetics of a new hybrid single Li-ion conductor based on aluminate complexes for solid-state Li-ion batteries. <i>Nanoscale</i> , 2018, 10, 5975-5984.	5.6	25
18	Dipole-modified graphene with ultrahigh gas sensibility. <i>Applied Surface Science</i> , 2018, 440, 409-414.	6.1	15

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19	Protonation-induced molecular permeation at the oil/water interface in an electric field. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29012-29017.	2.8	3
20	Understanding Thermodynamic and Kinetic Contributions in Expanding the Stability Window of Aqueous Electrolytes. <i>CheM</i> , 2018, 4, 2872-2882.	11.7	187
21	Multiscale Interface Effect on Homogeneous Dielectric Structure of ZrO <sub>2</sub> /Teflon Nanocomposite for Electrowetting Application. <i>Polymers</i> , 2018, 10, 1119.	4.5	8
22	Quartz Microcrystal-Hybridized Organosilicone Encapsulant with Enhanced Optical and Thermal Performances. <i>Polymers</i> , 2018, 10, 84.	4.5	2
23	Magnetic polymeric nanoassemblies for magnetic resonance imaging-combined cancer theranostics. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4263-4281.	6.7	8
24	Flexible Composite Solid Electrolyte Facilitating Highly Stable "Soft Contacting" Electrolyte Interface for Solid State Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1701437.	19.5	237
25	Nanocrystals generated under tensile stress in metallic glasses with phase selectivity. <i>Nanoscale</i> , 2017, 9, 15542-15549.	5.6	3
26	Electrowetting Performances of Novel Fluorinated Polymer Dielectric Layer Based on Poly(1H,1H,2H,2H-perfluorooctylmethacrylate) Nanoemulsion. <i>Polymers</i> , 2017, 9, 217.	4.5	3
27	Few-Layer Tin Sulfide: A New Black-Phosphorus-Analogue 2D Material with a Sizeable Band Gap, Odd-Even Quantum Confinement Effect, and High Carrier Mobility. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22663-22669.	3.1	130
28	Band Alignment for Rectification and Tunneling Effects in Al <sub>2</sub> O <sub>3</sub> Atomic-Layer-Deposited on Back Contact for CdTe Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 28143-28148.	8.0	8
29	2D hetero-nanosheets to enable ultralow thermal conductivity by all scale phonon scattering for highly thermoelectric performance. <i>Nano Energy</i> , 2016, 30, 780-789.	16.0	54
30	Few-Layer Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> ·8H <sub>2</sub> O: Novel H-Bonded 2D Material and Its Abnormal Electronic Properties. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26278-26283.	3.1	2
31	Phase separation of comb polymer nanocomposite melts. <i>Soft Matter</i> , 2016, 12, 1385-1400.	2.7	10
32	2D amorphous iron phosphate nanosheets with high rate capability and ultra-long cycle life for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4479-4484.	10.3	33
33	Extension of integral equation theory to microphase separation of block copolymers. <i>Molecular Physics</i> , 2015, 113, 880-889.	1.7	5
34	Formation of mono/bi-layer iron phosphate and nucleation of LiFePO <sub>4</sub> nano-crystals from amorphous 2D sheets in charge/discharge process for cathode in high-performance Li-ion batteries. <i>Nano Energy</i> , 2015, 18, 187-195.	16.0	30
35	Structure and effective interactions of comb polymer nanocomposite melts. <i>Journal of Chemical Physics</i> , 2014, 141, 204901.	3.0	8
36	Towards optimization of electrical network and mechanical property of polymer nanocomposites with grafted nanoparticles. <i>Polymer</i> , 2014, 55, 3178-3185.	3.8	11

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37	Role of block copolymer morphology on particle percolation of polymer nanocomposites. <i>Soft Matter</i> , 2014, 10, 8236-8244.	2.7	13
38	Evolution of conductive network and properties of nanorod/polymer composite under tensile strain. <i>Journal of Chemical Physics</i> , 2013, 139, 024903.	3.0	13
39	Relationship between Dispersion and Conductivity of Polymer Nanocomposites: A Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13081-13088.	2.6	31