

# Ke Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,840  
citations

361413

20  
h-index

265206

42  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2280  
citing authors

#	ARTICLE	IF	CITATIONS
1	All-Small-Molecule Organic Solar Cells with an Ordered Liquid Crystalline Donor. <i>Joule</i> , 2019, 3, 3034-3047.	24.0	257
2	NaNbO <sub>3</sub> two-dimensional platelets induced highly energy storage density in trilayered architecture composites. <i>Nano Energy</i> , 2017, 40, 587-595.	16.0	247
3	Machine learning-assisted molecular design and efficiency prediction for high-performance organic photovoltaic materials. <i>Science Advances</i> , 2019, 5, eaay4275.	10.3	181
4	PEDOT:PSS monolayers to enhance the hole extraction and stability of perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16583-16589.	10.3	162
5	15.8% efficiency binary all-small-molecule organic solar cells enabled by a selenophene substituted smectic liquid crystalline donor. <i>Energy and Environmental Science</i> , 2021, 14, 5366-5376.	30.8	97
6	Small Molecule Modulator at the Interface for Efficient Perovskite Solar Cells with High Short-Circuit Current Density and Hysteresis Free. <i>Advanced Electronic Materials</i> , 2020, 6, 2000604.	5.1	62
7	A $\pi$ -Hole-Containing Volatile Solid Additive Enabling 16.5% Efficiency Organic Solar Cells. <i>IScience</i> , 2020, 23, 100965.	4.1	61
8	The Role of Mineral Acid Doping of PEDOT:PSS and Its Application in Organic Photovoltaics. <i>Advanced Electronic Materials</i> , 2020, 6, 1900648.	5.1	56
9	Improving Molecular Planarity by Changing Alky Chain Position Enables 12.3% Efficiency All-Small-Molecule Organic Solar Cells with Enhanced Carrier Lifetime and Reduced Recombination. <i>Solar Rrl</i> , 2020, 4, 1900326.	5.8	53
10	Identification of novel odorant binding protein genes and functional characterization of OBP8 in <i>Chilo suppressalis</i> (Walker). <i>Gene</i> , 2016, 591, 425-432.	2.2	46
11	Constructing hierarchical carbon framework and quantifying water transfer for novel solar evaporation configuration. <i>Carbon</i> , 2019, 155, 25-33.	10.3	44
12	Molecular ordering and phase segregation induced by a volatile solid additive for highly efficient all-small-molecule organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2857-2863.	10.3	36
13	18.42% efficiency polymer solar cells enabled by terpolymer donors with optimal miscibility and energy levels. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7878-7887.	10.3	34
14	Numerical analysis and experimental investigation of wind turbine blades with innovative features: Structural response and characteristics. <i>Science China Technological Sciences</i> , 2015, 58, 1-8.	4.0	33
15	Molecular Lock Induced by Chloroplatinic Acid Doping of PEDOT:PSS for High-Performance Organic Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 30954-30961.	8.0	33
16	Simulation of aerodynamic performance affected by vortex generators on blunt trailing-edge airfoils. <i>Science China Technological Sciences</i> , 2010, 53, 1-7.	4.0	32
17	Impact of ZnO Photoluminescence on Organic Photovoltaic Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39962-39969.	8.0	30
18	Inhibition of In-Plane Charge Transport in Hole Transfer Layer to Achieve High Fill Factor for Inverted Planar Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1900104.	5.8	25

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19	Experimental and Numerical Analysis of the Effect of Vortex Generator Height on Vortex Characteristics and Airfoil Aerodynamic Performance. <i>Energies</i> , 2019, 12, 959.	3.1	25
20	Efficiency improvement of planar perovskite solar cells using a phenol additive. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11519-11524.	5.5	20
21	Thiazole-Functionalized Terpolymer Donors Obtained via Random Ternary Copolymerization for High-Performance Polymer Solar Cells. <i>Macromolecules</i> , 2020, 53, 9034-9042.	4.8	20
22	Carbohydrate metabolism and gene regulation during anther development in an androdioecious tree, <i>Tapiscia sinensis</i> . <i>Annals of Botany</i> , 2017, 120, 967-977.	2.9	19
23	The effects of geometrical dimensions on the failure of composite-to-composite adhesively bonded joints. <i>Journal of Adhesion</i> , 2021, 97, 1024-1051.	3.0	19
24	Thermodynamic analysis of a novel compressed carbon dioxide energy storage system with low-temperature thermal storage. <i>International Journal of Energy Research</i> , 2020, 44, 6531-6554.	4.5	18
25	Study of the therapeutic effect of raw and processed <i>Vladimiriae Radix</i> on ulcerative colitis based on intestinal flora, metabolomics and tissue distribution analysis. <i>Phytomedicine</i> , 2021, 85, 153538.	5.3	17
26	Modeling of delta-wing type vortex generators. <i>Science China Technological Sciences</i> , 2011, 54, 277-285.	4.0	15
27	Large thickness airfoils with high lift in the operating range of angle of attack. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, .	2.0	15
28	Artificial Intelligence Designer for Highly-Efficient Organic Photovoltaic Materials. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8847-8854.	4.6	15
29	Aerodynamic Performance of Wind Turbine Airfoil DU 91-W2-250 under Dynamic Stall. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1111.	2.5	13
30	What dominates the changeable pharmacokinetics of natural sesquiterpene lactones and diterpene lactones: a review focusing on absorption and metabolism. <i>Drug Metabolism Reviews</i> , 2021, 53, 122-140.	3.6	13
31	A method to evaluate the overall performance of the CAS-W1 airfoils for wind turbines. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, 063118.	2.0	12
32	A study on performance influences of airfoil aerodynamic parameters and evaluation indicators for the roughness sensitivity on wind turbine blade. <i>Science China Technological Sciences</i> , 2011, 54, 2993-2998.	4.0	11
33	Experimental study of Reynolds number effects on performance of thick CAS wind turbine airfoils. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, 063309.	2.0	10
34	Synthesis of 6- or 8-Bromo Flavonoids by Regioselective Mono-Bromination and Deprotection Protocol from Flavonoid Alkyl Ethers. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 1460-1466.	1.9	9
35	Calcium oxalate degradation is involved in aerenchyma formation in <i>Typha angustifolia</i> leaves. <i>Functional Plant Biology</i> , 2018, 45, 922.	2.1	9
36	Effect of Tailing-Edge Thickness on Aerodynamic Noise for Wind Turbine Airfoil. <i>Energies</i> , 2019, 12, 270.	3.1	9

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37	Experimental investigation of a pitch-oscillating wind turbine airfoil with vortex generators. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, 063304.	2.0	9
38	A robust calibration method for seven-hole pressure probes. <i>Experiments in Fluids</i> , 2019, 60, 1.	2.4	8
39	Evaluating Structural Failure of Load-Carrying Composite Box Beams with Different Geometries and Load Conditions. <i>Applied Composite Materials</i> , 2019, 26, 1151-1161.	2.5	8
40	Identification of miR-4644 as a suitable endogenous normalizer for circulating miRNA quantification in hepatocellular carcinoma. <i>Journal of Cancer</i> , 2020, 11, 7032-7044.	2.5	8
41	High performance organic solar cells enabled by an iodinated additive. <i>Organic Electronics</i> , 2021, 93, 106161.	2.6	8
42	Annealing-free alcohol-processable MoO anode interlayer enables efficient light utilization in organic photovoltaics. <i>Journal of Energy Chemistry</i> , 2021, 61, 141-146.	12.9	8
43	Sequential loading of inclusion complex/nanoparticles improves the gastric retention of <i>Vladimiriae Radix</i> essential oil to promote the protection of acute gastric mucosal injury. <i>International Journal of Pharmaceutics</i> , 2021, 610, 121234.	5.2	7
44	Electrochemical corrosion behavior of novel Cu-containing antimicrobial austenitic and ferritic stainless steels in chloride media. <i>Journal of Materials Science</i> , 2010, 45, 5902-5909.	3.7	5
45	Lagrangian-averaged vorticity deviation of spiraling blood flow in the heart during isovolumic contraction and ejection phases. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 1417-1430.	2.8	5
46	Determining Division Location for Sectional Wind Turbine Blades. <i>Energies</i> , 2017, 10, 1404.	3.1	4
47	Using PSO Algorithm to Compensate Power Loss Due to the Aeroelastic Effect of the Wind Turbine Blade. <i>Processes</i> , 2019, 7, 633.	2.8	3
48	Using a two-stage approach to improving accuracy of resonance fatigue tests for large-scale wind turbine blades. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, .	2.0	2
49	Development of a New-Type Multiple-Source Heat Pump with Two-Stage Compression. <i>Journal of Thermal Science</i> , 2019, 28, 635-642.	1.9	2
50	Improving accuracy of dual-axial resonance fatigue testing for wind turbine blades by using predicted equivalent test loads caused by combined loading. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, .	2.0	1
51	Experimental and Numerical Analysis of the Effect of a New Lightning Protection System on Lightning Protection and Aerodynamic Noise Performance of Wind Turbine Blades. <i>Electronics (Switzerland)</i> , 2019, 8, 1020.	3.1	0
52	A Hybrid Approach for Cardiac Blood Flow Vortex Ring Identification Based on Optical Flow and Lagrangian Averaged Vorticity Deviation. <i>Frontiers in Physiology</i> , 2021, 12, 698405.	2.8	0
53	Genetic algorithm-based heat transfer enhancement technique of a protruded micro-channel. <i>Thermal Science</i> , 2019, 23, 727-735.	1.1	0
54	Automated vortex identification based on Lagrangian averaged vorticity deviation in analysis of blood flow in the atrium from phase contrast MRI. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 216, 106678.	4.7	0