

# Pengfei Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8750798/publications.pdf>

Version: 2024-02-01

106  
papers

4,655  
citations

117625

34  
h-index

114465

63  
g-index

106  
all docs

106  
docs citations

106  
times ranked

7207  
citing authors

#	ARTICLE	IF	CITATIONS
1	Does twitter predict Bitcoin?. <i>Economics Letters</i> , 2019, 174, 118-122.	1.9	250
2	Two-photon-excited near-infrared emissive carbon dots as multifunctional agents for fluorescence imaging and photothermal therapy. <i>Nano Research</i> , 2017, 10, 3113-3123.	10.4	246
3	Ultrafast ion sieving using nanoporous polymeric membranes. <i>Nature Communications</i> , 2018, 9, 569.	12.8	197
4	Responses of PM2.5 and O3 concentrations to changes of meteorology and emissions in China. <i>Science of the Total Environment</i> , 2019, 662, 297-306.	8.0	167
5	The fundamental role and mechanism of reduced graphene oxide in rGO/Pt-TiO2 nanocomposite for high-performance photocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 335-346.	20.2	165
6	Atomic Insights for Optimum and Excess Doping in Photocatalysis: A Case Study of Few-Layer Cu <sub>2</sub> ZnIn <sub>2</sub> S <sub>4</sub> . <i>Advanced Functional Materials</i> , 2019, 29, 1807013.	14.9	165
7	Reconfiguration of DNA molecular arrays driven by information relay. <i>Science</i> , 2017, 357, .	12.6	160
8	Functionalized Acrylonitriles with Aggregation-Induced Emission: Structure Tuning by Simple Reaction-Condition Variation, Efficient Red Emission, and Two-Photon Bioimaging. <i>Journal of the American Chemical Society</i> , 2019, 141, 15111-15120.	13.7	155
9	Unraveling the Interfacial Charge Migration Pathway at the Atomic Level in a Highly Efficient Z-scheme Photocatalyst. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11329-11334.	13.8	152
10	Cobalt phosphide nanowires as efficient co-catalyst for photocatalytic hydrogen evolution over Zn <sub>0.5</sub> Cd <sub>0.5</sub> S. <i>Applied Catalysis B: Environmental</i> , 2018, 230, 210-219.	20.2	142
11	Pore structure characterization for organic-rich Lower Silurian shale in the Upper Yangtze Platform, South China: A possible mechanism for pore development. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 46, 1-15.	4.4	138
12	Impact resistance of shear thickening fluid/Kevlar composite treated with shear-stiffening gel. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 106, 82-90.	7.6	132
13	Is cryptocurrency a hedge or a safe haven for international indices? A comprehensive and dynamic perspective. <i>Finance Research Letters</i> , 2019, 31, 1-18.	6.7	124
14	Systemic Delivery of Bcl2-Targeting siRNA by DNA Nanoparticles Suppresses Cancer Cell Growth. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16023-16027.	13.8	105
15	HOXA9 inhibits HIF-1 $\alpha$ -mediated glycolysis through interacting with CRIP2 to repress cutaneous squamous cell carcinoma development. <i>Nature Communications</i> , 2018, 9, 1480.	12.8	90
16	A whole-cell electron tomography model of vacuole biogenesis in Arabidopsis root cells. <i>Nature Plants</i> , 2019, 5, 95-105.	9.3	89
17	The correlation of lymphocyte subsets, natural killer cell, and Parkinson's disease: a meta-analysis. <i>Neurological Sciences</i> , 2017, 38, 1373-1380.	1.9	83
18	Enhanced photocatalytic bactericidal performance and mechanism with novel Ag/ZnO/g-C <sub>3</sub> N <sub>4</sub> composite under visible light. <i>Catalysis Today</i> , 2019, 330, 179-188.	4.4	83

#	ARTICLE	IF	CITATIONS
19	Distinct global warming rates tied to multiple ocean surface temperature changes. <i>Nature Climate Change</i> , 2017, 7, 486-491.	18.8	76
20	Ultra-fine surface solid-state electrolytes for long cycle life all-solid-state lithium-air batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21248-21254.	10.3	76
21	Dynamic DNA Structures. <i>Small</i> , 2019, 15, e1900228.	10.0	76
22	A three-factor pricing model for cryptocurrencies. <i>Finance Research Letters</i> , 2020, 34, 101248.	6.7	69
23	Deep-Red/Near-Infrared Electroluminescence from Single-Component Charge-Transfer Complex via Thermally Activated Delayed Fluorescence Channel. <i>Advanced Functional Materials</i> , 2019, 29, 1903112.	14.9	59
24	Experimental Evidence for "Hot Exciton" Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Optical Materials</i> , 2019, 7, 1801190.	7.3	56
25	Searching for an exotic spin-dependent interaction with a single electron-spin quantum sensor. <i>Nature Communications</i> , 2018, 9, 739.	12.8	54
26	Water-Soluble Polythiophene for Two-Photon Excitation Fluorescence Imaging and Photodynamic Therapy of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14590-14595.	8.0	49
27	Detection and differentiation of influenza viruses with glycan-functionalized gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017, 91, 46-52.	10.1	49
28	Understanding the charge separation and transfer in mesoporous carbonate-doped phase-junction TiO <sub>2</sub> nanotubes for photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 433-444.	20.2	48
29	Magnetic Plasmon Networks Programmed by Molecular Self-Assembly. <i>Advanced Materials</i> , 2019, 31, e1901364.	21.0	47
30	Local and regional contributions to fine particulate matter in the 18 cities of Sichuan Basin, southwestern China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5791-5803.	4.9	47
31	Sub-micrometer resolution liquid level sensor based on a hollow core fiber structure. <i>Optics Letters</i> , 2019, 44, 2125.	3.3	40
32	Simulation of summer ozone and its sensitivity to emission changes in China. <i>Atmospheric Pollution Research</i> , 2019, 10, 1543-1552.	3.8	38
33	Polymer nanoparticles with high photothermal conversion efficiency as robust photoacoustic and thermal theranostics. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2832-2839.	5.8	37
34	Encapsulation of shear thickening fluid as an easy-to-apply impact-resistant material. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22472-22479.	10.3	37
35	The dynamic mechanical properties of magnetorheological plastomers under high strain rate. <i>Composites Science and Technology</i> , 2018, 159, 50-58.	7.8	36
36	Versatile Polymer Nanoparticles as Two-Photon-Triggered Photosensitizers for Simultaneous Cellular, Deep-Tissue Imaging, and Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601431.	7.6	35

#	ARTICLE	IF	CITATIONS
37	Interface Exciplex Anchoring the Color Stability of Solution-Processed Thermally Activated Delayed Fluorescent White Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800978.	7.3	34
38	A 12-month longitudinal study of <i>Listeria monocytogenes</i> contamination and persistence in pork retail markets in China. <i>Food Control</i> , 2017, 76, 66-73.	5.5	31
39	Asymmetry in summertime atmospheric circulation anomalies over the northwest Pacific during decaying phase of El Niño and La Niña. <i>Climate Dynamics</i> , 2017, 49, 2007-2023.	3.8	31
40	Design and operation of reconfigurable two-dimensional DNA molecular arrays. <i>Nature Protocols</i> , 2018, 13, 2312-2329.	12.0	30
41	n-Doping-induced efficient electron-injection for high efficiency inverted organic light-emitting diodes based on thermally activated delayed fluorescence emitter. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8400-8407.	5.5	29
42	Substitution Conformation Balances the Oscillator Strength and Singlet-Triplet Energy Gap for Highly Efficient Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Optical Materials</i> , 2019, 7, 1801767.	7.3	29
43	Bismuth-doped glass microsphere lasers. <i>Photonics Research</i> , 2017, 5, 740.	7.0	28
44	Suppressive activities of mangiferin on human epithelial ovarian cancer. <i>Phytomedicine</i> , 2020, 76, 153267.	5.3	28
45	In-fiber whispering-gallery mode microsphere resonator-based integrated device. <i>Optics Letters</i> , 2018, 43, 3961.	3.3	27
46	Construction of Surface-Modified Polydopamine Nanoparticles for Sequential Drug Release and Combined Chemo-Photothermal Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2021, 18, 1327-1343.	4.6	27
47	A simple one-pot synthesis of quinoline-4-carboxylic acid derivatives by Pfitzinger reaction of isatin with ketones in water. <i>Monatshefte für Chemie</i> , 2013, 144, 391-394.	1.8	26
48	Highly efficient white light-emitting diodes with a bi-component emitting layer based on blue and yellow thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2951-2956.	5.5	26
49	Circular RNA expression profile of spleen in a <i>Clostridium perfringens</i> type C-induced piglet model of necrotizing enteritis. <i>FEBS Open Bio</i> , 2018, 8, 1722-1732.	2.3	26
50	Identification and characterization of microRNA in the lung tissue of pigs with different susceptibilities to PCV2 infection. <i>Veterinary Research</i> , 2018, 49, 18.	3.0	24
51	Overexpression of IGF2BP3 as a Potential Oncogene in Ovarian Clear Cell Carcinoma. <i>Frontiers in Oncology</i> , 2019, 9, 1570.	2.8	24
52	Practical aspects of structural and dynamic DNA nanotechnology. <i>MRS Bulletin</i> , 2017, 42, 889-896.	3.5	23
53	Synergizing Appearance and Motion With Low Rank Representation for Vehicle Counting and Traffic Flow Analysis. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 2675-2685.	8.0	23
54	Programmable DNA Nanoindicator-Based Platform for Large-Scale Square Root Logic Biocomputing. <i>Small</i> , 2019, 15, e1903489.	10.0	23

#	ARTICLE	IF	CITATIONS
55	Intermolecular Interaction-Induced Thermally Activated Delayed Fluorescence Based on a Thiochromone Derivative. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1888-1893.	4.6	23
56	An experimental study on thermal radiation of fire whirl. <i>International Journal of Wildland Fire</i> , 2017, 26, 693.	2.4	22
57	Optimization of shear thickening fluid encapsulation technique and dynamic response of encapsulated capsules and polymeric composite. <i>Composites Science and Technology</i> , 2019, 170, 165-173.	7.8	22
58	Folic Acid-Modified Erythrocyte Membrane Loading Dual Drug for Targeted and Chemo-Photothermal Synergistic Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2021, 18, 386-402.	4.6	22
59	Meta-analysis of the prognostic value of the neutrophil-to-lymphocyte ratio in oral squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2018, 47, 353-358.	2.7	21
60	Analyses of long non-coding RNA and mRNA profiling in the spleen of diarrheic piglets caused by <i>Clostridium perfringens</i> type C. <i>PeerJ</i> , 2018, 6, e5997.	2.0	21
61	The multidecadal variations of the interannual relationship between the East Asian summer monsoon and ENSO in a coupled model. <i>Climate Dynamics</i> , 2018, 51, 1671-1686.	3.8	21
62	Solution-processed white organic light-emitting diodes with bi-component emitting layer based on symmetry blue spiro-sulfone derivative. <i>Organic Electronics</i> , 2019, 71, 24-30.	2.6	19
63	Frequent heteroplasmy and recombination in the mitochondrial genomes of the basidiomycete mushroom <i>Thelephora ganbajun</i> . <i>Scientific Reports</i> , 2017, 7, 1626.	3.3	18
64	In-fiber temperature sensor based on green up-conversion luminescence in an Er <sup>3+</sup> -Yb <sup>3+</sup> -co-doped tellurite glass microsphere. <i>Optics Letters</i> , 2019, 44, 3214.	3.3	18
65	Characterization and source apportionment of marine aerosols over the East China Sea. <i>Science of the Total Environment</i> , 2019, 651, 2679-2688.	8.0	17
66	Thrombospondin-1 as a Potential Therapeutic Target: Multiple Roles in Cancers. <i>Current Pharmaceutical Design</i> , 2020, 26, 2116-2136.	1.9	17
67	Global Methylome and gene expression analysis during early Peanut pod development. <i>BMC Plant Biology</i> , 2018, 18, 352.	3.6	16
68	Structural Insights into the CRTC2-CREB Complex Assembly on CRE. <i>Journal of Molecular Biology</i> , 2018, 430, 1926-1939.	4.2	16
69	Tm <sup>3+</sup> -Ho <sup>3+</sup> codoped tellurite glass microsphere laser in the 1474 nm wavelength region. <i>Optics Letters</i> , 2019, 44, 511.	3.3	16
70	Red emissive fluorescent probe for the rapid detection of selenocysteine. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 234-239.	7.8	15
71	AgBr/g-C <sub>3</sub> N <sub>4</sub> nanocomposites for enhanced visible-light-driven photocatalytic inactivation of <i>Escherichia coli</i> . <i>RSC Advances</i> , 2018, 8, 34428-34436.	3.6	15
72	Comparison of fruit organic acids and metabolism-related gene expression between <i>Cerasus humilis</i> (Bge.) Sok and <i>Cerasus glandulosa</i> (Thunb.) Lois. <i>PLoS ONE</i> , 2018, 13, e0196537.	2.5	15

#	ARTICLE	IF	CITATIONS
73	The chloroplast genome of <i>Cerasus humilis</i> : Genomic characterization and phylogenetic analysis. PLoS ONE, 2018, 13, e0196473.	2.5	15
74	Prevalence and Characteristics of <i>Listeria ivanovii</i> Strains in Wild Rodents in China. Vector-Borne and Zoonotic Diseases, 2019, 19, 8-15.	1.5	15
75	Development of a decoupling physical-chemical surrogate (DPCS) model for simulation of the spray and combustion of multi-component biodiesel fuels. Fuel, 2019, 240, 16-30.	6.4	15
76	Novel thioxanthone host material with thermally activated delayed fluorescence for reduced efficiency roll-off of phosphorescent OLEDs. Chinese Chemical Letters, 2018, 29, 471-474.	9.0	14
77	Trading volume and return volatility of Bitcoin market: evidence for the sequential information arrival hypothesis. Journal of Economic Interaction and Coordination, 2019, 14, 377-418.	0.7	14
78	Modeling and solving the optimal allocation-pricing of public parking resources problem in urban-scale network. Transportation Research Part B: Methodological, 2020, 137, 74-98.	5.9	14
79	Data Mining Based Modeling and Application of Mobile Video Service Awareness. Lecture Notes in Electrical Engineering, 2018, , 389-396.	0.4	14
80	Detection of programmed death ligand 1 protein and CD8+ lymphocyte infiltration in plurihormonal pituitary adenomas. Medicine (United States), 2017, 96, e9056.	1.0	13
81	Programming DNA Tube Circumference by Tile Offset Connection. Journal of the American Chemical Society, 2019, 141, 19529-19532.	13.7	11
82	How can CMIP5 AGCMs' resolution influence precipitation in mountain areas: the Hengduan Mountains?. Climate Dynamics, 2020, 54, 159-172.	3.8	11
83	Does intraday time-series momentum exist in Chinese stock index futures market?. Finance Research Letters, 2020, 35, 101292.	6.7	11
84	Modeling Temporal Dynamics of Users' Purchase Behaviors for Next Basket Prediction. Journal of Computer Science and Technology, 2019, 34, 1230-1240.	1.5	10
85	Study on the protective effects of danshen-honghua herb pair (DHHP) on myocardial ischaemia/reperfusion injury (MIRI) and potential mechanisms based on apoptosis and mitochondria. Pharmaceutical Biology, 2021, 59, 333-344.	2.9	9
86	Directly Pumped Ho <sup>3+</sup> -Doped Microspheres Lasing at $2.0\text{-}\mu\text{m}$ . IEEE Photonics Technology Letters, 2019, 31, 1366-1368.	2.5	8
87	Canine edge width and height affect dental esthetics in maxillary canine substitution treatment. Progress in Orthodontics, 2019, 20, 16.	3.5	8
88	Modeling and load follow simulation of CPR1000 Nuclear Power Plant implementing Mechanical Shim control strategy. Nuclear Engineering and Design, 2019, 352, 110161.	1.7	8
89	Investor Sentiment and the Return Rate of P2P Lending Platform. Asia-Pacific Financial Markets, 2020, 27, 97-113.	2.4	8
90	The <i>PLAG1</i> mRNA expression analysis among genetic variants and relevance to growth traits in Chinese cattle. Animal Biotechnology, 2020, 31, 504-511.	1.5	7

#	ARTICLE	IF	CITATIONS
91	Strain independent twist sensor based on uneven platinum coated hollow core fiber structure. Optics Express, 2019, 27, 19726.	3.4	7
92	Cloning and characterization of the <i>Cerasus humilis</i> sucrose phosphate synthase gene (ChSPS1). PLoS ONE, 2017, 12, e0186650.	2.5	6
93	Trabectedin in Cancers: Mechanisms and Clinical Applications. Current Pharmaceutical Design, 2022, 28, 1949-1965.	1.9	6
94	The dependence on atmospheric resolution of ENSO and related East Asian-western North Pacific summer climate variability in a coupled model. Theoretical and Applied Climatology, 2018, 133, 1207-1217.	2.8	5
95	Dominant modes of CMIP3/5 models simulating northwest Pacific circulation anomalies during post-ENSO summer and their SST dependence. Theoretical and Applied Climatology, 2019, 138, 1809-1820.	2.8	5
96	Efficient velocity estimation for MAVs by fusing motion from two frontally parallel cameras. Journal of Real-Time Image Processing, 2019, 16, 2367-2378.	3.5	5
97	Mixed alkali effects in Er <sup>3+</sup> -doped borate glasses: Influence on physical, mechanical, and photoluminescence properties. Journal of the American Ceramic Society, 2019, 102, 4562-4572.	3.8	4
98	Programmable Assembly of DNA-protein Hybrid Structures. Chemical Research in Chinese Universities, 2020, 36, 211-218.	2.6	4
99	DNA nanostructures from double-C-shaped motifs with controllable twist and curvature. Nanoscale, 2019, 11, 14569-14572.	5.6	3
100	Do analyst recommendations matter for rival companies?. International Review of Financial Analysis, 2019, 65, 101380.	6.6	3
101	Effect of Ba(PO <sub>3</sub> ) <sub>2</sub> addition on the optical properties of Tm <sup>3+</sup> -doped fluorophosphate glasses. Optical Materials Express, 2019, 9, 1233.	3.0	3
102	The complete mitochondrial genome of the edible Basidiomycete mushroom <i>Phlebopus Portentosus</i> . Mitochondrial DNA Part B: Resources, 2017, 2, 696-697.	0.4	2
103	Effects of Cytotoxic T Lymphocyte-Associated Antigen 4 Immunoglobulin Combined with Microbubble-Mediated Irradiation on Hemodynamics of the Renal Artery in Rats with Diabetic Nephropathy. Ultrasound in Medicine and Biology, 2020, 46, 703-711.	1.5	1
104	4Å—288Gb/s Orthogonal Offset Carriers Assisted PDM Twin-SSB WDM Transmission with Direct Detection. , 2019, , .		1
105	High-speed Faster-than-Nyquist Optical Transmission. , 2018, , .		0
106	Bimetallic Catalyzed N-arylation Used in Synthesis of Novel Î²-carbolines Derivatives. Letters in Drug Design and Discovery, 2020, 17, 520-525.	0.7	0