

Hang Yin

List of Publications by Year in descending order

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109
papers

7,278
citations

87888

38
h-index

60623

81
g-index

109
all docs

109
docs citations

109
times ranked

9670
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite Cells and the Muscle Stem Cell Niche. <i>Physiological Reviews</i> , 2013, 93, 23-67.	28.8	1,604
2	An epigenetic activation role of Piwi and a Piwi-associated piRNA in <i>Drosophila melanogaster</i> . <i>Nature</i> , 2007, 450, 304-308.	27.8	392
3	Inhibition of JAK-STAT signaling stimulates adult satellite cell function. <i>Nature Medicine</i> , 2014, 20, 1174-1181.	30.7	309
4	<i>Drosophila</i> PIWI associates with chromatin and interacts directly with HP1a. <i>Genes and Development</i> , 2007, 21, 2300-2311.	5.9	305
5	Fibronectin Regulates Wnt7a Signaling and Satellite Cell Expansion. <i>Cell Stem Cell</i> , 2013, 12, 75-87.	11.1	289
6	Stable and low-photovoltage-loss perovskite solar cells by multifunctional passivation. <i>Nature Photonics</i> , 2021, 15, 681-689.	31.4	255
7	MicroRNA-133 Controls Brown Adipose Determination in Skeletal Muscle Satellite Cells by Targeting Prdm16. <i>Cell Metabolism</i> , 2013, 17, 210-224.	16.2	249
8	A Major Epigenetic Programming Mechanism Guided by piRNAs. <i>Developmental Cell</i> , 2013, 24, 502-516.	7.0	215
9	MILI, a PIWI-interacting RNA-binding Protein, Is Required for Germ Line Stem Cell Self-renewal and Appears to Positively Regulate Translation. <i>Journal of Biological Chemistry</i> , 2009, 284, 6507-6519.	3.4	192
10	Snail Regulates MyoD Binding-Site Occupancy to Direct Enhancer Switching and Differentiation-Specific Transcription in Myogenesis. <i>Molecular Cell</i> , 2012, 47, 457-468.	9.7	163
11	<i>Drosophila</i> Piwi functions in Hsp90-mediated suppression of phenotypic variation. <i>Nature Genetics</i> , 2011, 43, 153-158.	21.4	155
12	Zwitterionic-Surfactant-Assisted Room-Temperature Coating of Efficient Perovskite Solar Cells. <i>Joule</i> , 2020, 4, 2404-2425.	24.0	137
13	Designing a ternary photovoltaic cell for indoor light harvesting with a power conversion efficiency exceeding 20%. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8579-8585.	10.3	124
14	miR-133a Regulates Adipocyte Browning In Vivo. <i>PLoS Genetics</i> , 2013, 9, e1003626.	3.5	118
15	MYC Controls Human Pluripotent Stem Cell Fate Decisions through Regulation of Metabolic Flux. <i>Cell Stem Cell</i> , 2017, 21, 502-516.e9.	11.1	113
16	Mitochondrial Dynamics: Biogenesis, Fission, Fusion, and Mitophagy in the Regulation of Stem Cell Behaviors. <i>Stem Cells International</i> , 2019, 2019, 1-15.	2.5	97
17	Challenges and recent advances in photodiodes-based organic photodetectors. <i>Materials Today</i> , 2021, 51, 475-503.	14.2	94
18	Donor Derivative Incorporation: An Effective Strategy toward High Performance All-Small-Molecule Ternary Organic Solar Cells. <i>Advanced Science</i> , 2019, 6, 1901613.	11.2	93

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19	Understanding energetic disorder in electron-deficient-core-based non-fullerene solar cells. <i>Science China Chemistry</i> , 2020, 63, 1159-1168.	8.2	92
20	Control of glioblastoma tumorigenesis by feed-forward cytokine signaling. <i>Nature Neuroscience</i> , 2016, 19, 798-806.	14.8	82
21	From 33% to 57% " an elevated potential of efficiency limit for indoor photovoltaics. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1717-1723.	10.3	77
22	Recent progress of all-polymer solar cells " From chemical structure and device physics to photovoltaic performance. <i>Materials Science and Engineering Reports</i> , 2020, 140, 100542.	31.8	75
23	Porphyrin-based thick-film bulk-heterojunction solar cells for indoor light harvesting. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9111-9118.	5.5	67
24	Comparative expression profiling identifies differential roles for Myogenin and p38 \pm MAPK signaling in myogenesis. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 386-397.	3.3	64
25	Using Ultralow Dosages of Electron Acceptor to Reveal the Early Stage Donor"Acceptor Electronic Interactions in Bulk Heterojunction Blends. <i>Advanced Energy Materials</i> , 2017, 7, 1602360.	19.5	64
26	Performance and feasibility study of hybrid ground source heat pump system assisted with cooling tower for one office building based on one Shanghai case. <i>Energy</i> , 2019, 173, 28-37.	8.8	60
27	UBE2T promotes radiation resistance in non-small cell lung cancer via inducing epithelial-mesenchymal transition and the ubiquitination-mediated FOXO1 degradation. <i>Cancer Letters</i> , 2020, 494, 121-131.	7.2	52
28	Transient HIF2A inhibition promotes satellite cell proliferation and muscle regeneration. <i>Journal of Clinical Investigation</i> , 2018, 128, 2339-2355.	8.2	52
29	A High-Resolution Whole-Genome Map of Key Chromatin Modifications in the Adult <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2011, 7, e1002380.	3.5	51
30	MiR-99a Enhances the Radiation Sensitivity of Non-Small Cell Lung Cancer by Targeting mTOR. <i>Cellular Physiology and Biochemistry</i> , 2018, 46, 471-481.	1.6	51
31	M6A RNA methylation-mediated RMRP stability renders proliferation and progression of non-small cell lung cancer through regulating TGFBR1/SMAD2/SMAD3 pathway. <i>Cell Death and Differentiation</i> , 2023, 30, 605-617.	11.2	51
32	Theoretical Design of Perylene Diimide Dimers with Different Linkers and Bridged Positions as Promising Non-Fullerene Acceptors for Organic Photovoltaic Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2125-2134.	3.1	50
33	Recent progress of PM6:Y6-based high efficiency organic solar cells. <i>Surfaces and Interfaces</i> , 2021, 23, 100921.	3.0	50
34	Balanced Electric Field Dependent Mobilities: A Key to Access High Fill Factors in Organic Bulk Heterojunction Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1700239.	5.8	49
35	Donor Polymer Can Assist Electron Transport in Bulk Heterojunction Blends with Small Energetic Offsets. <i>Advanced Materials</i> , 2019, 31, e1903998.	21.0	49
36	Trap State Induced Recombination Effects on Indoor Organic Photovoltaic Cells. <i>ACS Energy Letters</i> , 2021, 6, 3203-3211.	17.4	48

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37	Impact of Solvent Additive on Carrier Transport in Polymer:Fullerene Bulk Heterojunction Photovoltaic Cells. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500166.	3.7	46
38	Notch Signaling Rescues Loss of Satellite Cells Lacking Pax7 and Promotes Brown Adipogenic Differentiation. <i>Cell Reports</i> , 2016, 16, 333-343.	6.4	44
39	The construction and analysis of the aberrant lncRNA-miRNA-mRNA network in non-small cell lung cancer. <i>Journal of Thoracic Disease</i> , 2019, 11, 1772-1778.	1.4	43
40	Canonical Wnt Signaling Induces a Primitive Endoderm Metastable State in Mouse Embryonic Stem Cells. <i>Stem Cells</i> , 2013, 31, 752-764.	3.2	39
41	Suppressing Kinetic Aggregation of Non-Fullerene Acceptor via Versatile Alloy States Enables High-Efficiency and Stable Ternary Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2100316.	14.9	38
42	NF- κ B-driven improvement of EHD1 contributes to erlotinib resistance in EGFR-mutant lung cancers. <i>Cell Death and Disease</i> , 2018, 9, 418.	6.3	37
43	Enhanced Electron Transport and Heat Transfer Boost Light Stability of Ternary Organic Photovoltaic Cells Incorporating Non-Fullerene Small Molecule and Polymer Acceptors. <i>Advanced Electronic Materials</i> , 2019, 5, 1900497.	5.1	37
44	A disorder-free conformation boosts phonon and charge transfer in an electron-deficient-core-based non-fullerene acceptor. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8566-8574.	10.3	37
45	Exosomal miR-125b-5p targets human telomerase reverse transcriptase in colorectal cancer cells to suppress epithelial-to-mesenchymal transition. <i>Molecular Oncology</i> , 2020, 14, 2589-2608.	4.6	35
46	Thick-Film High-Performance Bulk-Heterojunction Solar Cells Retaining 90% PCEs of the Optimized Thin Film Cells. <i>Advanced Electronic Materials</i> , 2017, 3, 1700007.	5.1	33
47	Integrated analysis of long noncoding <i>lncRNA</i> associated competing endogenous <i>circRNA</i> as prognostic biomarkers in clear cell renal carcinoma. <i>Cancer Science</i> , 2018, 109, 3336-3349.	3.9	33
48	PGC-1 α overexpression partially rescues impaired oxidative and contractile pathophysiology following volumetric muscle loss injury. <i>Scientific Reports</i> , 2019, 9, 4079.	3.3	33
49	Observing electron transport and percolation in selected bulk heterojunctions bearing fullerene derivatives, non-fullerene small molecules, and polymeric acceptors. <i>Nano Energy</i> , 2019, 64, 103950.	16.0	31
50	Operating performance of a solar/air-dual source heat pump system under various refrigerant flow rates and distributions. <i>Applied Thermal Engineering</i> , 2020, 178, 115631.	6.0	31
51	Exploring the mechanisms of exciton diffusion improvement in ternary polymer solar cells: From ultrafast to ultraslow temporal scale. <i>Nano Energy</i> , 2021, 79, 105513.	16.0	31
52	Highly Crystalline Near-Infrared Acceptor Enabling Simultaneous Efficiency and Photostability Boosting in High-Performance Ternary Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48095-48102.	8.0	30
53	Highly-Transparent and True-Colored Semitransparent Indoor Photovoltaic Cells. <i>Small Methods</i> , 2020, 4, 2000136.	8.6	28
54	Design of wide-bandgap polymers with deeper ionization potential enables efficient ternary non-fullerene polymer solar cells with 13% efficiency. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14153-14162.	10.3	27

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55	Deciphering the Role of Fluorination: Morphological Manipulation Prompts Charge Separation and Reduces Carrier Recombination in All- <i>small</i> -Molecule Photovoltaics. <i>Solar Rrl</i> , 2020, 4, 1900528.	5.8	27
56	On-site assessments on variations of PM2.5, PM10, CO2 and TVOC concentrations in naturally ventilated underground parking garages with traffic volume. <i>Environmental Pollution</i> , 2019, 247, 626-637.	7.5	25
57	Thick-Film Low Driving-Force Indoor Light Harvesters. <i>Solar Rrl</i> , 2020, 4, 2000291.	5.8	24
58	Charge carrier transport and nanomorphology control for efficient non-fullerene organic solar cells. <i>Materials Today Energy</i> , 2019, 12, 398-407.	4.7	23
59	Rationalizing device performance of perylenediimide derivatives as acceptors for bulk-heterojunction organic solar cells. <i>Organic Electronics</i> , 2019, 65, 156-161.	2.6	23
60	Design of Hexabenzocoronene Derivatives as Non-Fullerene Acceptors in Organic Photovoltaics by Bridging Dimers and Modulating Structural Twists. <i>Solar Rrl</i> , 2017, 1, 1700060.	5.8	22
61	14-3-3 β /TGF β 2R1 promotes tumor metastasis in lung squamous cell carcinoma. <i>Oncotarget</i> , 2016, 7, 82972-82984.	1.8	22
62	Transient p53 inhibition sensitizes aged white adipose tissue for beige adipocyte recruitment by blocking mitophagy. <i>FASEB Journal</i> , 2019, 33, 844-856.	0.5	21
63	Resolving the Mechanisms of Photocurrent Improvement in Ternary Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18294-18302.	3.1	21
64	Prevention of surgical site infection under different ventilation systems in operating room environment. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 36.	6.0	21
65	Indoor environmental quality and energy consumption real-time assessment: A field measurement of a nearly zero-energy building in cold region of China. <i>Energy and Buildings</i> , 2021, 246, 111093.	6.7	19
66	Exploration of the immune cell infiltration-related gene signature in the prognosis of melanoma. <i>Aging</i> , 2021, 13, 3459-3482.	3.1	19
67	Bulk-heterojunction solar cells with enriched polymer contents. <i>Organic Electronics</i> , 2017, 40, 1-7.	2.6	18
68	The conversion of donor to acceptor and rational design for diketopyrrolopyrrole-containing small molecule acceptors by introducing nitrogen-atoms for organic solar cells. <i>RSC Advances</i> , 2017, 7, 31800-31806.	3.6	17
69	A series of bowl-shaped PDI dimers designed for organic photovoltaic cells through engineering N-annulated bridge towards potential alternatives of PDI bridged dimer acceptors. <i>Dyes and Pigments</i> , 2018, 148, 394-404.	3.7	17
70	DOCK2 deficiency mitigates HFD-induced obesity by reducing adipose tissue inflammation and increasing energy expenditure. <i>Journal of Lipid Research</i> , 2017, 58, 1777-1784.	4.2	16
71	Collaborating genomic, transcriptomic and microbiomic alterations lead to canine extreme intestinal polyposis. <i>Oncotarget</i> , 2018, 9, 29162-29179.	1.8	16
72	One-micron-thick organic indoor light harvesters with low photocurrent loss and fill factors over 67%. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13515-13521.	10.3	16

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73	High-Efficiency Thickness-Insensitive Organic Solar Cells with an Insulating Polymer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11134-11143.	8.0	16
74	Natural biomaterial sarcosine as an interfacial layer enables inverted organic solar cells to exhibit over 16.4% efficiency. <i>Nanoscale</i> , 2021, 13, 11128-11137.	5.6	16
75	Boosting the photovoltaic thermal stability of fullerene bulk heterojunction solar cells through charge transfer interactions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23662-23670.	10.3	15
76	Effect of environmental parameters on culturability and viability of dust accumulated fungi in different HVAC segments. <i>Sustainable Cities and Society</i> , 2019, 48, 101538.	10.4	15
77	Synergistic effect of incorporating intra- and inter-molecular charge transfer in nonfullerene acceptor molecules for highly-efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16834-16840.	10.3	15
78	Dietary palmitate cooperates with Src kinase to promote prostate tumor progression. <i>Prostate</i> , 2019, 79, 896-908.	2.3	13
79	Nomogram Predicting the Risk of Locoregional Recurrence After Mastectomy for Invasive Micropapillary Carcinoma of the Breast. <i>Clinical Breast Cancer</i> , 2021, 21, e368-e376.	2.4	13
80	High-Efficiency Indoor Organic Photovoltaics with a Band-Aligned Interlayer. <i>Joule</i> , 2020, 4, 1607-1611.	24.0	12
81	Direct Writing of 2D Diodes by Focused Ion Beams. <i>Advanced Functional Materials</i> , 2021, 31, 2102708.	14.9	12
82	Cis-regulatory determinants of MyoD function. <i>Nucleic Acids Research</i> , 2018, 46, 7221-7235.	14.5	11
83	Integrated analysis of immune-related genes in endometrial carcinoma. <i>Cancer Cell International</i> , 2020, 20, 477.	4.1	10
84	High performance indoor light harvesters with a wide-gap donor polymer PBDB-T. <i>Organic Electronics</i> , 2021, 98, 106289.	2.6	10
85	CdSe quantum dot organic solar cells with improved photovoltaic performance. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 115504.	2.8	10
86	Reassessment of Piwi Binding to the Genome and Piwi Impact on RNA Polymerase II Distribution. <i>Developmental Cell</i> , 2015, 32, 772-774.	7.0	9
87	In-depth probe of researching interfacial charge transfer process for organic solar cells: A promising bisadduct fullerene derivatives acceptor. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25938.	2.0	9
88	A facile and robust approach to prepare fluorinated polymer dielectrics for probing the intrinsic transport behavior of organic semiconductors. <i>Materials Advances</i> , 2020, 1, 891-898.	5.4	9
89	Organic indoor light harvesters achieving recorded output power over 500% enhancement under thermal radiated illuminances. <i>Science Bulletin</i> , 2021, 66, 1641-1641.	9.0	9
90	Impact of postmastectomy radiation therapy in T1-2 breast cancer patients with 1-3 positive axillary lymph nodes. <i>Oncotarget</i> , 2017, 8, 49564-49573.	1.8	9

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91	Response gene to complement 32 suppresses adipose tissue thermogenic genes through inhibiting β 3-adrenergic receptor/mTORC1 signaling. <i>FASEB Journal</i> , 2018, 32, 4836-4847.	0.5	8
92	Tuning electronic properties of molecular acceptor- π -porphyrin- π -acceptor donors via π -linkage structural engineering. <i>Organic Electronics</i> , 2019, 73, 146-151.	2.6	8
93	Chromaticity manipulation of indoor photovoltaic cells. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	7
94	Fat spectral modeling on triglyceride composition quantification using chemical shift encoded magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2018, 52, 84-93.	1.8	5
95	An 11-lncRNA expression could be potential prognostic biomarkers in head and neck squamous cell carcinoma. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 18094-18103.	2.6	5
96	Effect of Molecular Substitution and Isomerization on Charge-Transport Parameters in Molecular Organic Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2660-2667.	4.6	5
97	Boosting charge and thermal transport π role of insulators in stable and efficient n-type polymer transistors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12281-12290.	5.5	5
98	Development and Validation of Ferroptosis-Related LncRNA Biomarker in Bladder Carcinoma. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 809747.	3.7	5
99	A theoretical study on a series of polycyclic conjugated hydrocarbons π -dinaphthobenzo[1,2:4,5]dicyclobutadienes with tunable charge transport properties by controlling $[N]$ phenylenes and (anti)aromaticity. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6721-6727.	5.5	4
100	TNFAIP8 Promotes Cisplatin Chemoresistance in Triple-Negative Breast Cancer by Repressing p53-Mediated miR-205-5p Expression. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 22, 640-656.	5.1	4
101	Four methylation-driven genes may be prognostic biomarkers in clear cell renal carcinoma. <i>Clinical and Translational Medicine</i> , 2020, 10, e45.	4.0	4
102	Heat transfer in photovoltaic polymers and bulk-heterojunctions investigated by scanning photothermal deflection technique. <i>Nano Select</i> , 2021, 2, 768-778.	3.7	4
103	Evanescent wave induced polarization-insensitive self-organization of stratified single-negative materials. <i>New Journal of Physics</i> , 2021, 23, 073037.	2.9	4
104	Integrated analysis of immune infiltration in esophageal carcinoma as prognostic biomarkers. <i>Annals of Translational Medicine</i> , 2021, 9, 1697-1697.	1.7	4
105	Density functional theory analysis for the limitations of fluoranthene-fused imide based small molecule acceptor materials in photovoltaic performance. <i>Computational and Theoretical Chemistry</i> , 2019, 1156, 37-42.	2.5	3
106	Predicting the concentration of indoor culturable fungi using a kernel-based extreme learning machine (K-ELM). <i>International Journal of Environmental Health Research</i> , 2020, 30, 344-356.	2.7	1
107	Chromatin Immunoprecipitation Assay of Piwi in <i>Drosophila</i> . <i>Methods in Molecular Biology</i> , 2014, 1093, 1-11.	0.9	1
108	Efficient π -Doping with F 6 TCNNQ for Improving Performance of Polymer Photodetectors with Photomultiplication. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100107.	2.4	0

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109	V OC variation with different molecular weight fractions in highly efficient organic photovoltaic bulk heterojunctions. Journal Physics D: Applied Physics, 2021, 54, 035106.	2.8	0