

Ming He

List of Publications by Year in descending order

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70
papers

4,407
citations

182225

30
h-index

116156

66
g-index

79
all docs

79
docs citations

79
times ranked

7764
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide identification and expression pattern analysis of novel chemosensory genes in the German cockroach <i>Blattella germanica</i> . <i>Genomics</i> , 2022, 114, 110310.	1.3	5
2	Advanced Strategies of Passivating Perovskite Defects for High-Performance Solar Cells. <i>Energy and Environmental Materials</i> , 2021, 4, 293-301.	7.3	15
3	Silencing the odorant coreceptor (<i>Orco</i>) disrupts sex pheromonal communication and feeding responses in <i>Blattella germanica</i> : toward an alternative target for controlling insect-transmitted human diseases. <i>Pest Management Science</i> , 2021, 77, 1674-1682.	1.7	18
4	Antimicrobial evaluation of myricetin derivatives containing benzimidazole skeleton against plant pathogens. <i>Fä-toterapÄ-Äç</i> , 2021, 149, 104804.	1.1	12
5	A candidate aldehyde oxidase in the antennae of the diamondback moth, <i>Plutella xylostella</i> (L.), is potentially involved in the degradation of pheromones, plant-derived volatiles and the detoxification of xenobiotics. <i>Pesticide Biochemistry and Physiology</i> , 2021, 171, 104726.	1.6	19
6	Synthesis and antibacterial activity of novel myricetin derivatives containing sulfonylpiperazine. <i>Chemical Papers</i> , 2021, 75, 1021-1027.	1.0	10
7	Two carboxylesterase genes in <i>Plutella xylostella</i> associated with sex pheromones and plant volatiles degradation. <i>Pest Management Science</i> , 2021, 77, 2737-2746.	1.7	24
8	Design, synthesis, and antibacterial activity of novel myricetin derivatives containing sulfonate. <i>Monatshefte FÄ¼r Chemie</i> , 2021, 152, 345-356.	0.9	18
9	Coplanar High Mobility and Interplanar Van Der Waals Heterojunction in Layered Two-Dimensional Biâ„Oâ„Se Nanosheets. <i>IEEE Electron Device Letters</i> , 2021, 42, 871-874.	2.2	2
10	Design, Synthesis and Antibacterial Activity of Novel Pyrimidine-Containing 4 <i>H</i> -Chromen-4 <i>One</i> Derivatives**. <i>Chemistry and Biodiversity</i> , 2021, 18, e2100186.	1.0	3
11	Design, synthesis and antibacterial activities against <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> , <i>Xanthomonas axonopodis</i> pv. <i>Citri</i> and <i>Ralstonia solanacearum</i> of novel myricetin derivatives containing sulfonamide moiety. <i>Pest Management Science</i> , 2020, 76, 853-860.	1.7	47
12	Molecular characterization and functional analysis of a novel candidate of cuticle carboxylesterase in <i>Spodoptera exigua</i> degrading sex pheromones and plant volatile esters. <i>Pesticide Biochemistry and Physiology</i> , 2020, 163, 227-234.	1.6	32
13	Genome-wide identification of chemosensory receptor genes in the small brown planthopper, <i>Laodelphax striatellus</i> . <i>Genomics</i> , 2020, 112, 2034-2040.	1.3	8
14	Expression, Affinity, and Functional Characterization of the Specific Binding of Two Putative Pheromone-Binding Proteins in the Omnivorous German Cockroach <i>Blattella germanica</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13573-13583.	2.4	16
15	Design, synthesis and biological evaluation of novel dual-acting modulators targeting both estrogen receptor 1 \pm (ER1 \pm) and lysine-specific demethylase 1 (LSD1) for treatment of breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2020, 195, 112281.	2.6	19
16	Synthesis and antibacterial and antiviral activities of myricetin derivatives containing a 1,2,4-triazole Schiff base. <i>RSC Advances</i> , 2019, 9, 23045-23052.	1.7	65
17	Synthesis and antibacterial activity of novel chalcone derivatives bearing a coumarin moiety. <i>Chemical Papers</i> , 2019, 73, 2493-2500.	1.0	10
18	Synthesis and antibacterial evaluation of novel chalcone derivatives containing a benzothiazole scaffold. <i>Monatshefte FÄ¼r Chemie</i> , 2019, 150, 1147-1154.	0.9	12

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19	Evolution and functional analysis of odorant-binding proteins in three rice planthoppers: <i>Nilaparvata lugens</i> , <i>Sogatella furcifera</i> , and <i>Laodelphax striatellus</i> . <i>Pest Management Science</i> , 2019, 75, 1606-1620.	1.7	59
20	Antiviral activity of aconite alkaloids from <i>Aconitum carmichaelii</i> Debx. <i>Natural Product Research</i> , 2019, 33, 1486-1490.	1.0	25
21	Convenient and Robust Route to Photoswitchable Hierarchical Liquid Crystal Polymer Stripes via Flow-Enabled Self-Assembly. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4961-4970.	4.0	29
22	Molecular characterization and evolution of a chemosensory receptor gene family in three notorious rice planthoppers, <i>Nilaparvata lugens</i> , <i>Sogatella furcifera</i> and <i>Laodelphax striatellus</i> , based on genome and transcriptome analyses. <i>Pest Management Science</i> , 2018, 74, 2156-2167.	1.7	54
23	Characterization and antifungal activity against <i>Pestalotiopsis</i> of a fusaricidin-type compound produced by <i>Paenibacillus polymyxa</i> Y-1. <i>Pesticide Biochemistry and Physiology</i> , 2018, 147, 67-74.	1.6	19
24	Binding affinity characterization of an antennae-enriched chemosensory protein from the white-backed planthopper, <i>Sogatella furcifera</i> (Horváth), with host plant volatiles. <i>Pesticide Biochemistry and Physiology</i> , 2018, 152, 1-7.	1.6	24
25	Development and evaluation of pymetrozine controlled-release formulation to control paddy planthopper. <i>RSC Advances</i> , 2018, 8, 22687-22693.	1.7	8
26	Label-free quantitative proteomic analysis of inhibition of <i>Xanthomonas axonopodis</i> pv. <i>citri</i> by the novel bactericide Fubianezuofeng. <i>Pesticide Biochemistry and Physiology</i> , 2017, 138, 37-42.	1.6	25
27	Harnessing Colloidal Crack Formation by Flow-Enabled Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4554-4559.	7.2	38
28	A reference gene set for sex pheromone biosynthesis and degradation genes from the diamondback moth, <i>Plutella xylostella</i> , based on genome and transcriptome digital gene expression analyses. <i>BMC Genomics</i> , 2017, 18, 219.	1.2	55
29	Harnessing Colloidal Crack Formation by Flow-Enabled Self-Assembly. <i>Angewandte Chemie</i> , 2017, 129, 4625-4630.	1.6	4
30	Titelbild: Harnessing Colloidal Crack Formation by Flow-Enabled Self-Assembly (<i>Angew. Chem.</i> 16/2017). <i>Angewandte Chemie</i> , 2017, 129, 4429-4429.	1.6	2
31	Hairy Uniform Permanently Ligated Hollow Nanoparticles with Precise Dimension Control and Tunable Optical Properties. <i>Journal of the American Chemical Society</i> , 2017, 139, 12956-12967.	6.6	107
32	Meniscus-assisted solution printing of large-grained perovskite films for high-efficiency solar cells. <i>Nature Communications</i> , 2017, 8, 16045.	5.8	359
33	Innen-¼cktitelbild: Monodisperse Dual-Functional Upconversion Nanoparticles Enabled Near-Infrared Organolead Halide Perovskite Solar Cells (<i>Angew. Chem.</i> 13/2016). <i>Angewandte Chemie</i> , 2016, 128, 4441-4441.	1.6	3
34	Identification and tissue expression profile of genes from three chemoreceptor families in an urban pest, <i>Periplaneta americana</i> . <i>Scientific Reports</i> , 2016, 6, 27495.	1.6	32
35	Monodisperse Dual-Functional Upconversion Nanoparticles Enabled Near-Infrared Organolead Halide Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2016, 128, 4352-4356.	1.6	71
36	Monodisperse Dual-Functional Upconversion Nanoparticles Enabled Near-Infrared Organolead Halide Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4280-4284.	7.2	257

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37	Crystallization and Microphase Morphology of Side-Chain Cross-Linkable Poly(3-hexylthiophene)- <i>block</i> -poly[3-(6-hydroxy)hexylthiophene] Diblock Copolymers. <i>Macromolecules</i> , 2016, 49, 287-297.	2.2	28
38	A comprehensive analysis of membrane and morphology of erythrocytes from patients with glucose-6-phosphate dehydrogenase deficiency. <i>Journal of Structural Biology</i> , 2016, 194, 235-243.	1.3	11
39	InnenrÄ¼cktitelbild: An Unconventional Route to Monodisperse and Intimately Contacted Semiconducting Organic-Inorganic Nanocomposites (<i>Angew. Chem. 15/2015</i>). <i>Angewandte Chemie</i> , 2015, 127, 4761-4761.	1.6	0
40	Biochemistry and molecular characterisation of chlorpyrifos resistance in field strains of the white-backed planthopper <i>Sogatella furcifera</i> (Hemiptera: Delphacidae). <i>Austral Entomology</i> , 2015, 54, 376-384.	0.8	5
41	An Unconventional Route to Monodisperse and Intimately Contacted Semiconducting Organic-Inorganic Nanocomposites. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4636-4640.	7.2	54
42	Presence of Poly(A) Tails at the 3'-Termini of Some mRNAs of a Double-Stranded RNA Virus, Southern Rice Black-Streaked Dwarf Virus. <i>Viruses</i> , 2015, 7, 1642-1650.	1.5	9
43	Microphase Separation and Crystallization in All-Conjugated Poly(3-alkylthiophene) Diblock Copolymers. <i>Macromolecules</i> , 2015, 48, 279-286.	2.2	17
44	Molecular Characterization and Differential Expression of an Olfactory Receptor Gene Family in the White-Backed Planthopper <i>Sogatella furcifera</i> Based on Transcriptome Analysis. <i>PLoS ONE</i> , 2015, 10, e0140605.	1.1	21
45	Organic-inorganic nanocomposites composed of conjugated polymers and semiconductor nanocrystals for photovoltaics. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 1641-1660.	2.4	28
46	High efficiency perovskite solar cells: from complex nanostructure to planar heterojunction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5994-6003.	5.2	246
47	Synthesis and Antibacterial Activity of Bisthioether Derivatives Containing a 1,3,4-Thiadiazoles Moiety. Phosphorus, Sulfur and Silicon and the Related Elements, 2014, 189, 134-142.	0.8	5
48	Design, synthesis, and antibacterial activity against rice bacterial leaf blight and leaf streak of 2,5-substituted-1,3,4-oxadiazole/thiadiazole sulfone derivative. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1677-1680.	1.0	120
49	Optimization of molecular organization and nanoscale morphology for high performance low bandgap polymer solar cells. <i>Nanoscale</i> , 2014, 6, 3984.	2.8	42
50	Molecular characterization, expression profiling, and binding properties of odorant binding protein genes in the whitebacked planthopper, <i>Sogatella furcifera</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 174, 1-8.	0.7	71
51	Enantioselective synthesis of β -amino esters bearing a quinazoline moiety via a Mannich-type reaction catalyzed by a cinchona alkaloid derivative. <i>Science China Chemistry</i> , 2013, 56, 321-328.	4.2	4
52	Large-Scale Hierarchically Structured Conjugated Polymer Assemblies with Enhanced Electrical Conductivity. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2564-2568.	7.2	79
53	Towards high-performance polymer-based thermoelectric materials. <i>Energy and Environmental Science</i> , 2013, 6, 1352.	15.6	408
54	Toward High-Performance Organic-Inorganic Hybrid Solar Cells: Bringing Conjugated Polymers and Inorganic Nanocrystals in Close Contact. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1788-1796.	2.1	85

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55	Microphase separation-promoted crystallization in all-conjugated poly(3-alkylthiophene) diblock copolymers with high crystallinity and carrier mobility. <i>Journal of Materials Chemistry</i> , 2012, 22, 19213.	6.7	34
56	Thermopower enhancement in conducting polymer nanocomposites via carrier energy scattering at the organic-inorganic semiconductor interface. <i>Energy and Environmental Science</i> , 2012, 5, 8351.	15.6	351
57	Graphene-based transparent flexible electrodes for polymer solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 24254.	6.7	103
58	Effect of Vacancy Defects on the Young's Modulus and Fracture Strength of Graphene: A Molecular Dynamics Study. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1399-1404.	2.6	31
59	Annealing effects on the photovoltaic performance of all-conjugated poly(3-alkylthiophene) diblock copolymer-based bulk heterojunction solar cells. <i>Nanoscale</i> , 2011, 3, 3159.	2.8	55
60	All-conjugated poly(3-alkylthiophene) diblock copolymer-based bulk heterojunction solar cells with controlled molecular organization and nanoscale morphology. <i>Energy and Environmental Science</i> , 2011, 4, 2894.	15.6	100
61	Conjugated rod-coil and rod-rod block copolymers for photovoltaic applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 17039.	6.7	119
62	Quaterthiophene-Benzobisazole Copolymers for Photovoltaic Cells: Effect of Heteroatom Placement and Substitution on the Optical and Electronic Properties. <i>Macromolecules</i> , 2011, 44, 9611-9617.	2.2	40
63	Low-Cost Copper Zinc Tin Sulfide Counter Electrodes for High-Efficiency Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11739-11742.	7.2	410
64	Cover Picture: Low-Cost Copper Zinc Tin Sulfide Counter Electrodes for High-Efficiency Dye-Sensitized Solar Cells (<i>Angew. Chem. Int. Ed.</i> 49/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11541-11541.	7.2	5
65	Fabricating polythiophene into highly aligned microwire film by fast evaporation of its whisker solution. <i>Polymer</i> , 2010, 51, 2236-2243.	1.8	47
66	Self-Assembly of All-Conjugated Poly(3-alkylthiophene) Diblock Copolymer Nanostructures from Mixed Selective Solvents. <i>ACS Nano</i> , 2010, 4, 3241-3247.	7.3	157
67	Reactive Power Compensation Devices Optimization Based on Improved Ant Colony Algorithm. , 2010, , .		0
68	Synthesis, Cocrystallization, and Microphase Separation of All-Conjugated Diblock Copoly(3-alkylthiophene)s. <i>Macromolecules</i> , 2010, 43, 6422-6428.	2.2	81
69	Controlled evaporative self-assembly of hierarchically structured regioregular conjugated polymers. <i>Soft Matter</i> , 2009, 5, 1583.	1.2	71
70	Effect of ultrasonic separation on the structure and properties of diallyl phthalate prepolymer. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 364-369.	3.8	3