Yao Wang

List of Publications by Year in descending order

42 papers	1,371 citations	430874 18 h-index	345221 36 g-index
45 all docs	45 docs citations	45 times ranked	1893 citing authors

#	Article	IF	Citations
1	GhKNL1 controls fiber elongation and secondary cell wall synthesis by repressing its downstream genes in cotton (Gossypium hirsutum). Journal of Integrative Plant Biology, 2022, 64, 39-55.	8.5	15
2	The bHLH/HLH transcription factors GhFP2 and GhACE1 antagonistically regulate fiber elongation in cotton. Plant Physiology, 2022, 189, 628-643.	4.8	13
3	Universal time-domain Prony fitting decomposition for optimized hierarchical quantum master equations. Journal of Chemical Physics, 2022, 156, .	3.0	23
4	A statistical quasi-particles thermofield theory with Gaussian environments: Systemâ€“bath entanglement theorem for nonequilibrium correlation functions. Journal of Chemical Physics, 2022, 157, 044102.	3.0	7
5	Electron Transfer under the Floquet Modulation in Donorâ€“Bridgeâ€“Acceptor Systems. Journal of Physical Chemistry A, 2022, 126, 4554-4561.	2.5	5
6	Cocaine-induced neural adaptations in the lateral hypothalamic melanin-concentrating hormone neurons and the role in regulating rapid eye movement sleep after withdrawal. Molecular Psychiatry, 2021, 26, 3152-3168.	7.9	9
7	Cocaine Triggers Astrocyte-Mediated Synaptogenesis. Biological Psychiatry, 2021, 89, 386-397.	1.3	57
8	Transparent and flexible resins functionalized by lanthanide-based upconversion nanocrystals. Dalton Transactions, 2021, 50, 6432-6436.	3.3	0
9	Phosphorylation of WRKY16 by MPK3-1 is essential for its transcriptional activity during fiber initiation and elongation in cotton (Gossypium hirsutum). Plant Cell, 2021, 33, 2736-2752.	6.6	40
10	Correlated vibrationâ€“solvent effects on the non-Condon exciton spectroscopy. Journal of Chemical Physics, 2021, 154, 244105.	3.0	10
11	Marcusâ€™ electron transfer rate revisited via a Rice-Ramsperger-Kassel-Marcus analogue: A unified formalism for linear and nonlinear solvation scenarios. Chinese Journal of Chemical Physics, 2021, 34, 462-470.	1.3	3
12	bHLH transcription factors LP1 and LP2 regulate longitudinal cell elongation. Plant Physiology, 2021, 187, 2577-2591.	4.8	9
13	10.1063/5.0067880.1. , 2021, , .		0
14	Quantum dissipation with nonlinear environment couplings: Stochastic fields dressed dissipaton equation of motion approach. Journal of Chemical Physics, 2021, 155, 174111.	3.0	4
15	A Critical Role of Basolateral Amygdalaâ€“toâ€“Nucleus Accumbens Projection inÂSleep Regulation of Reward Seeking. Biological Psychiatry, 2020, 87, 954-966.	1.3	25
16	Equilibrium and transient thermodynamics: A unified dissipaton-space approach. Journal of Chemical Physics, 2020, 153, 154111.	3.0	14
17	Thermodynamic free-energy spectrum theory for open quantum systems. Journal of Chemical Physics, 2020, 153, 214115.	3.0	10
18	Pollen-Specific Protein PSP231 Activates Callose Synthesis to Govern Male Gametogenesis and Pollen Germination. Plant Physiology, 2020, 184, 1024-1041.	4.8	18

#	Article	IF	Citations
19	Entangled system-and-environment dynamics: Phaseâ€“space dissipaton theory. Journal of Chemical Physics, 2020, 152, 041102.	3.0	16
20	Systemâ€“bath entanglement theorem with Gaussian environments. Journal of Chemical Physics, 2020, 152, 034102.	3.0	11
21	A cotton (Gossypium hirsutum) WRKY transcription factor (GhWRKY22) participates in regulating anther/pollen development. Plant Physiology and Biochemistry, 2019, 141, 231-239.	5.8	44
22	AtEDT1/HDG11 regulates stomatal density and waterâ€use efficiency via ERECTA and E2Fa. New Phytologist, 2019, 223, 1478-1488.	7.3	57
23	A hierarchical-equation-of-motion based semiclassical approach to quantum dissipation. Chinese Journal of Chemical Physics, 2018, 31, 608-612.	1.3	1
24	Characterization of bHLH/HLH genes that are involved in brassinosteroid (BR) signaling in fiber development of cotton (Gossypium hirsutum). BMC Plant Biology, 2018, 18, 304.	3.6	39
25	The cotton <scp>XLIM</scp> protein (Gh<scp>XLIM</scp>6) is required for fiber development via maintaining dynamic Fâ€actin cytoskeleton and modulating cellulose biosynthesis. Plant Journal, 2018, 96, 1269-1282.	5.7	32
26	Dissipaton dynamics theory versus quantum master equations. Chemical Physics, 2018, 515, 94-101.	1.9	3
27	Fokkerâ€“Planck quantum master equation for mixed quantumâ€“semiclassical dynamics. Journal of Chemical Physics, 2017, 146, 024104.	3.0	12
28	Nucleus accumbens feedforward inhibition circuit promotes cocaine self-administration. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8750-E8759.	7.1	62
29	Low-frequency logarithmic discretization of the reservoir spectrum for improving the efficiency of hierarchical equations of motion approach. Journal of Chemical Physics, 2017, 147, 074111.	3.0	23
30	Minimum-exponents ansatz for molecular dynamics and quantum dissipation. Journal of Chemical Physics, 2016, 145, 204110.	3.0	11
31	Cocaine-Induced Synaptic Alterations in Thalamus to Nucleus Accumbens Projection. Neuropsychopharmacology, 2016, 41, 2399-2410.	5.4	83
32	Prefrontal Cortex to Accumbens Projections in Sleep Regulation of Reward. Journal of Neuroscience, 2016, 36, 7897-7910.	3.6	52
33	A New Cubic Phase for a NaYF₄ Host Matrix Offering High Upconversion Luminescence Efficiency. Advanced Materials, 2015, 27, 5528-5533.	21.0	94
34	Activated expression of AtEDT1/HDG11 promotes lateral root formation in Arabidopsis mutant edt1 by upregulating jasmonate biosynthesis. Journal of Integrative Plant Biology, 2015, 57, 1017-1030.	8.5	21
35	Sleep Regulates Incubation of Cocaine Craving. Journal of Neuroscience, 2015, 35, 13300-13310.	3.6	49
36	HDG11 upregulates cell-wall-loosening protein genes to promote root elongation in Arabidopsis. Journal of Experimental Botany, 2014, 65, 4285-4295.	4.8	92

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37	Cocaine-Induced Membrane Adaptation in the Central Nucleus of Amygdala. Neuropsychopharmacology, 2013, 38, 2240-2248.	5.4	5
38	Gas Phase Conformations of Tetrapeptide Glycine-Phenylalanine-Glycine-Glycine. Chinese Journal of Chemical Physics, 2012, 25, 77-85.	1.3	5
39	Activated Expression of anArabidopsisHD-START Protein Confers Drought Tolerance with Improved Root System and Reduced Stomatal Density Â. Plant Cell, 2008, 20, 1134-1151.	6.6	329
40	Stomatal Density and Bioâ€water Saving. Journal of Integrative Plant Biology, 2007, 49, 1435-1444.	8.5	59
41	Correlated drivingâ€andâ€dissipation equation for <scp>nonâ€Condon</scp> spectroscopy with the Herzbergâ€“Teller vibronic coupling. Journal of the Chinese Chemical Society, 0, , .	1.4	0
42	Nonequilibrium work distributions in quantum impurity system-bath mixing processes. Journal of Chemical Physics, 0, , .	3.0	5