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	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
2	A New Cubic Phase for a NaYF₄ Host Matrix Offering High Upconversion Luminescence Efficiency. Advanced Materials, 2015, 27, 5528-5533.	21.0	94
3	HDG11 upregulates cell-wall-loosening protein genes to promote root elongation in Arabidopsis. Journal of Experimental Botany, 2014, 65, 4285-4295.	4.8	92
4	Cocaine-Induced Synaptic Alterations in Thalamus to Nucleus Accumbens Projection. Neuropsychopharmacology, 2016, 41, 2399-2410.	5.4	83
5	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
6	Stomatal Density and Bioâ€water Saving. Journal of Integrative Plant Biology, 2007, 49, 1435-1444.	8.5	59
7	AtEDT1/HDG11 regulates stomatal density and waterâ€use efficiency via ERECTA and E2Fa. New Phytologist, 2019, 223, 1478-1488.	7.3	57
8	Cocaine Triggers Astrocyte-Mediated Synaptogenesis. Biological Psychiatry, 2021, 89, 386-397.	1.3	57
9	Prefrontal Cortex to Accumbens Projections in Sleep Regulation of Reward. Journal of Neuroscience, 2016, 36, 7897-7910.	3.6	52
10	Sleep Regulates Incubation of Cocaine Craving. Journal of Neuroscience, 2015, 35, 13300-13310.	3.6	49
11	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
12	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
13	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
14	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
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	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
17	Universal time-domain Prony fitting decomposition for optimized hierarchical quantum master equations. Journal of Chemical Physics, 2022, 156, .	3.0	23
18	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

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19	Pollen-Specific Protein PSP231 Activates Callose Synthesis to Govern Male Gametogenesis and Pollen Germination. Plant Physiology, 2020, 184, 1024-1041.	4.8	18
20	Entangled system-and-environment dynamics: Phaseâ€“space dissipaton theory. Journal of Chemical Physics, 2020, 152, 041102.	3.0	16
21	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
22	Equilibrium and transient thermodynamics: A unified dissipaton-space approach. Journal of Chemical Physics, 2020, 153, 154111.	3.0	14
23	The bHLH/HLH transcription factors GhFP2 and GhACE1 antagonistically regulate fiber elongation in cotton. Plant Physiology, 2022, 189, 628-643.	4.8	13
24	Fokkerâ€“Planck quantum master equation for mixed quantumâ€“semiclassical dynamics. Journal of Chemical Physics, 2017, 146, 024104.	3.0	12
25	Minimum-exponents ansatz for molecular dynamics and quantum dissipation. Journal of Chemical Physics, 2016, 145, 204110.	3.0	11
26	Systemâ€“bath entanglement theorem with Gaussian environments. Journal of Chemical Physics, 2020, 152, 034102.	3.0	11
27	Thermodynamic free-energy spectrum theory for open quantum systems. Journal of Chemical Physics, 2020, 153, 214115.	3.0	10
28	Correlated vibrationâ€“solvent effects on the non-Condon exciton spectroscopy. Journal of Chemical Physics, 2021, 154, 244105.	3.0	10
29	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
30	bHLH transcription factors LP1 and LP2 regulate longitudinal cell elongation. Plant Physiology, 2021, 187, 2577-2591.	4.8	9
31	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
32	Gas Phase Conformations of Tetrapeptide Glycine-Phenylalanine-Glycine-Glycine. Chinese Journal of Chemical Physics, 2012, 25, 77-85.	1.3	5
33	Cocaine-Induced Membrane Adaptation in the Central Nucleus of Amygdala. Neuropsychopharmacology, 2013, 38, 2240-2248.	5.4	5
34	Electron Transfer under the Floquet Modulation in Donorâ€“Bridgeâ€“Acceptor Systems. Journal of Physical Chemistry A, 2022, 126, 4554-4561.	2.5	5
35	Nonequilibrium work distributions in quantum impurity system-bath mixing processes. Journal of Chemical Physics, 0, , .	3.0	5
36	Quantum dissipation with nonlinear environment couplings: Stochastic fields dressed dissipaton equation of motion approach. Journal of Chemical Physics, 2021, 155, 174111.	3.0	4

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37	Dissipaton dynamics theory versus quantum master equations. Chemical Physics, 2018, 515, 94-101.	1.9	3
38	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
39	A hierarchical-equation-of-motion based semiclassical approach to quantum dissipation. Chinese Journal of Chemical Physics, 2018, 31, 608-612.	1.3	1
40	Transparent and flexible resins functionalized by lanthanide-based upconversion nanocrystals. Dalton Transactions, 2021, 50, 6432-6436.	3.3	0
41	10.1063/5.0067880.1. , 2021, , .		0
42	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