

Qiang Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3070130/publications.pdf>

Version: 2024-02-01

53
papers

2,353
citations

567281

15
h-index

214800

47
g-index

55
all docs

55
docs citations

55
times ranked

2337
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical vortices 30 years on: OAM manipulation from topological charge to multiple singularities. <i>Light: Science and Applications</i> , 2019, 8, 90.	16.6	1,151
2	Microalgae-based wastewater treatment for nutrients recovery: A review. <i>Bioresource Technology</i> , 2019, 291, 121934.	9.6	413
3	Effect of processing and heat treatment on behavior of Cu-Cr-Zr alloys to railway contact wire. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2006, 37, 3233-3238.	2.2	144
4	Comparative study of individual and Co-Application of biochar and wood vinegar on blueberry fruit yield and nutritional quality. <i>Chemosphere</i> , 2020, 246, 125699.	8.2	66
5	The N2pc component in ERP and the lateralization effect of language on color perception. <i>Neuroscience Letters</i> , 2009, 454, 58-61.	2.1	50
6	Divergence-degenerate spatial multiplexing towards future ultrahigh capacity, low error-rate optical communications. <i>Light: Science and Applications</i> , 2022, 11, 144.	16.6	45
7	Dimeric G-Quadruplex: An Effective Nucleic Acid Scaffold for Lighting Up Thioflavin T. <i>Analytical Chemistry</i> , 2021, 93, 1333-1341.	6.5	36
8	Synthesis, DNA binding and cleavage activity of macrocyclic polyamines bearing mono- or bis-acridine moieties. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 5302-5308.	5.5	35
9	Index-Tunable Structured-Light Beams from a Laser with an Intracavity Astigmatic Mode Converter. <i>Physical Review Applied</i> , 2020, 14, .	3.8	29
10	Deep-learning-based recognition of multi-singularity structured light. <i>Nanophotonics</i> , 2022, 11, 779-786.	6.0	29
11	Physiological responses of <i>Phragmites australis</i> to the combined effects of water and salinity stress. <i>Ecohydrology</i> , 2014, 7, 420-426.	2.4	24
12	Language suppression effects on the categorical perception of colour as evidenced through ERPs. <i>Biological Psychology</i> , 2010, 85, 45-52.	2.2	22
13	Streamflow sensitivity analysis to climate change for a large water-limited basin. <i>Hydrological Processes</i> , 2014, 28, 1767-1774.	2.6	20
14	NAT10-mediated <i>N</i> ⁴ -acetylcytidine modification is required for meiosis entry and progression in male germ cells. <i>Nucleic Acids Research</i> , 2022, 50, 10896-10913.	14.5	20
15	Neural correlates of size illusions: an event-related potential study. <i>NeuroReport</i> , 2009, 20, 809-814.	1.2	17
16	Catalytic performance and mechanism of KF-loaded catalysts for biodiesel synthesis. <i>Catalysis Science and Technology</i> , 2011, 1, 1072.	4.1	17
17	Second harmonic generation of laser beams in transverse mode locking states. <i>Advanced Photonics</i> , 2022, 4, .	11.8	17
18	Fast Simulation of Large-Scale Floods Based on GPU Parallel Computing. <i>Water (Switzerland)</i> , 2018, 10, 589.	2.7	15

#	ARTICLE	IF	CITATIONS
19	Rapid and enzyme-free signal amplification for fluorescent detection of microRNA via localized catalytic hairpin assembly on gold nanoparticles. <i>Talanta</i> , 2022, 242, 123142.	5.5	15
20	Spatial distribution and temporal variation of reference evapotranspiration during 1961–2006 in the Yellow River Basin, China. <i>Hydrological Sciences Journal</i> , 2011, 56, 1015-1026.	2.6	14
21	Mass Balance Variation and Associative Climate Drivers for the Dongkemadi Glacier in the Central Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10814-10825.	3.3	14
22	Effect of copper content on mechanical properties and fracture behaviors of Al-Li-Cu alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2005, 36, 1389-1394.	2.2	11
23	The effect of visual reliability on auditory–visual integration: an event-related potential study. <i>NeuroReport</i> , 2007, 18, 1861-1865.	1.2	11
24	Single-Photon Detection Approach for Autonomous Vehicles Sensing. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 6067-6078.	6.3	11
25	Synthesis, DNA binding and cleavage studies of the copper(II) complexes of PNA-cyclen conjugates. <i>Science China Chemistry</i> , 2011, 54, 129-136.	8.2	10
26	Polygenic Score of Subjective Well-Being Is Associated with the Brain Morphology in Superior Temporal Gyrus and Insula. <i>Neuroscience</i> , 2019, 414, 210-218.	2.3	10
27	Advances of Yb:CALGO Laser Crystals. <i>Crystals</i> , 2021, 11, 1131.	2.2	10
28	Functional connectivity mediates the relationship between self-efficacy and curiosity. <i>Neuroscience Letters</i> , 2019, 711, 134442.	2.1	8
29	YebC regulates variable surface antigen VlsE expression and is required for host immune evasion in <i>Borrelia burgdorferi</i> . <i>PLoS Pathogens</i> , 2020, 16, e1008953.	4.7	8
30	Comparative evaluation and design of a G-triplex/thioflavin T-based molecular beacon. <i>Analyst</i> , The, 2021, 146, 2567-2573.	3.5	8
31	Interaction of bis-aryl functionalized molecules with nucleosides and nucleic acids. <i>Science China Chemistry</i> , 2010, 53, 103-112.	8.2	7
32	Industriousness Moderates the Link Between Default Mode Network Subsystem and Creativity. <i>Neuroscience</i> , 2020, 427, 92-104.	2.3	7
33	Effect of aspect ratio on the chirality of gold nanorods prepared through conventional seed-mediated growth method. <i>Analytica Chimica Acta</i> , 2021, 1152, 338277.	5.4	7
34	Sedimentary record of polycyclic aromatic hydrocarbons in mud deposits along the southeastern coast of Liaodong Peninsula and its relation to the anthropogenic and natural activities in the Northeast China. <i>Chemosphere</i> , 2019, 216, 31-39.	8.2	6
35	Long-Term Temporal Scale-Dependent Warming Effects on the Mass Balance in the Dongkemadi Glacier, Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033105.	3.3	6
36	Neural mechanisms for the effect of prior knowledge on audiovisual integration. <i>Biological Psychology</i> , 2011, 87, 200-208.	2.2	4

#	ARTICLE	IF	CITATIONS
37	Impacts of climate change on the water balance of a large nonhumid natural basin in China. <i>Theoretical and Applied Climatology</i> , 2015, 121, 489-497.	2.8	4
38	Role of HK2 in the Enzootic Cycle of <i>Borrelia burgdorferi</i> . <i>Frontiers in Medicine</i> , 2020, 7, 573648.	2.6	4
39	Ratiometric fluorescent probe: a sensitive and reliable reporter for the CRISPR/Cas12a-based biosensing platform. <i>Analyst</i> , 2022, 147, 2567-2574.	3.5	4
40	Complete chloroplast genome of <i>Pluchea indica</i> (L.) Less. (Asteraceae) and its phylogenetic analysis. <i>Mitochondrial DNA Part B: Resources</i> , 2017, 2, 918-919.	0.4	3
41	Investigation on the effect of the thermal dynamic, evaporation, and alternative material properties in a laser melt pool with a developed 2D model based on the VOSET method. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017, 71, 1104-1122.	2.1	3
42	Evolution of membrane fouling and cleaning strategy development in municipal wastewater reclamation by nanofiltration. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1967-1978.	2.2	3
43	Investigating the cutting force monitoring system in the boring process. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 3703-3715.	3.0	3
44	A new method for discovery of vegetation changes based on satellite ground photographs. , 2015, , .		2
45	Negative Compressibility in Hexagonal and Trigonal Models Constructed by Hinging Wineâ€Rack Mechanism. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000568.	1.5	2
46	The Role of the Snow Ratio in Mass Balance Change under a Warming Climate for the Dongkemadi Glacier, Tibetan Plateau. <i>Journal of Climate</i> , 2022, 35, 3833-3844.	3.2	2
47	Assessment of hydrological response to multiyear drought: Insights from lag characteristics and shift magnitude. <i>Hydrological Processes</i> , 2022, 36, .	2.6	2
48	Effect of NH ₂ -functionalized carbon nanospheres on the performances of poly(p-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T Electronics, 2019, 30, 7567-7576.	2.2	1
49	Spatiotemporal characterization of laser pulse amplification in double-pass active mirror geometry. <i>High Power Laser Science and Engineering</i> , 2020, 8, .	4.6	1
50	Effects of the Openness to Experience Polygenic Score on Cortical Thickness and Functional Connectivity. <i>Frontiers in Neuroscience</i> , 2020, 14, 607912.	2.8	1
51	Tension soft sensor of continuous annealing lines using cascade frequency domain observer with combined PCA and neural networks error compensation. , 2010, , .		0
52	The Noise-Reduction Characteristics of Microstructure of Dragonfly Wing Leading Vein. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2970.	2.5	0
53	Advances in studying human gametogenesis and embryonic development in China. <i>Biology of Reproduction</i> , 0, , .	2.7	0