

Wei Gao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7704232/publications.pdf>

Version: 2024-02-01

24
papers

649
citations

623734

14
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

861
citing authors

#	ARTICLE	IF	CITATIONS
1	Unlocking surface octahedral tilt in two-dimensional Ruddlesden-Popper perovskites. <i>Nature Communications</i> , 2022, 13, 138.	12.8	42
2	Membrane-disruptive engineered peptide amphiphiles restrain the proliferation of penicillins and cephalosporins resistant <i>Vibrio alginolyticus</i> and <i>Vibrio parahaemolyticus</i> in instant jellyfish. <i>Food Control</i> , 2022, 135, 108827.	5.5	9
3	Synergistically enhanced electric field in inhomogeneous nanocavities for the application of recyclable SERS sensing. <i>Applied Materials Today</i> , 2022, 26, 101251.	4.3	0
4	Synthesis of 1,3,4-trisubstituted pyrrolidines as meropenem adjuvants targeting New Delhi metallo- β -lactamase. <i>New Journal of Chemistry</i> , 2021, 45, 3515-3534.	2.8	5
5	Reality or fantasy? Perovskite semiconductor laser diodes. <i>EcoMat</i> , 2021, 3, e12077.	11.9	28
6	The achievement of red upconversion lasing for highly stable perovskite nanocrystal glasses with the assistance of anion modulation. <i>Nano Research</i> , 2021, 14, 2861-2866.	10.4	14
7	One-Pot Synthesis of CsPbX ₃ (X = Cl, Br, I)@Zeolite: A Potential Material for Wide-Color-Gamut Backlit Displays and Upconversion Emission. <i>Advanced Optical Materials</i> , 2021, 9, 2100012.	7.3	23
8	Investigation of antibiofilm activity, antibacterial activity, and mechanistic studies of an amphiphilic peptide against <i>Acinetobacter baumannii</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183600.	2.6	16
9	Ag@ZIF-67 decorated cotton fabric as flexible, stable and sensitive SERS substrate for label-free detection of phenol-soluble modulins. <i>Cellulose</i> , 2021, 28, 7389-7404.	4.9	10
10	Broadband, Enhanced, and Antithermally Quenched Near-Infrared Phosphors via a Cosubstitution Approach. <i>Inorganic Chemistry</i> , 2021, 60, 11616-11625.	4.0	21
11	Robust and Flexible Random Lasers Using Perovskite Quantum Dots Coated Nickel Foam for Speckle-Free Laser Imaging. <i>Small</i> , 2021, 17, e2103065.	10.0	22
12	Plasmonic alloy nanochains assembled via dielectrophoresis for ultrasensitive SERS. <i>Optics Express</i> , 2021, 29, 36857.	3.4	8
13	Rapid and highly sensitive SERS detection of fungicide based on flexible "wash free" metallic textile. <i>Applied Surface Science</i> , 2020, 512, 144693.	6.1	43
14	Flexible, Reusable SERS Substrate Derived from ZIF-67 by Adjusting LUMO and HOMO and Its Application in Identification of Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49452-49463.	8.0	41
15	De Novo Designed Hexadecapeptides Synergize Glycopeptide Antibiotics Vancomycin and Teicoplanin against Pathogenic <i>Klebsiella pneumoniae</i> via Disruption of Cell Permeability and Potential. <i>ACS Applied Bio Materials</i> , 2020, 3, 1738-1752.	4.6	18
16	Bioisosteric investigation of ebselen: Synthesis and in vitro characterization of 1,2-benzisothiazol-3(2H)-one derivatives as potent New Delhi metallo- β -lactamase inhibitors. <i>Bioorganic Chemistry</i> , 2020, 100, 103873.	4.1	17
17	Deep UV random lasing from NaGdF ₄ :Yb ³⁺ , Tm ³⁺ upconversion nanocrystals in amorphous borosilicate glass. <i>Optics Letters</i> , 2020, 45, 3095.	3.3	5
18	Ultraviolet C lasing at 263 nm from Ba ₂ La ₇ :Yb ³⁺ , Tm ³⁺ upconversion nanocrystal microcavities. <i>Optics Letters</i> , 2020, 45, 5986.	3.3	9

#	ARTICLE	IF	CITATIONS
19	Phenolâ€Solubleâ€Modulinâ€Inspired Amphipathic Peptides Have Bactericidal Activity against Multidrugâ€Resistant Bacteria. <i>ChemMedChem</i> , 2019, 14, 1547-1559.	3.2	17
20	Preparation of flexible supercapacitor with RGO/Ni-MOF film on Ni-coated polyester fabric. <i>Electrochimica Acta</i> , 2019, 318, 23-31.	5.2	72
21	Boosting the efficacy of anti-MRSA β -lactam antibiotics via an easily accessible, non-cytotoxic and orally bioavailable FtsZ inhibitor. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 95-115.	5.5	27
22	Investigation of synergistic antimicrobial effects of the drug combinations of meropenem and 1,2-benzisoxenazol-3(2H)-one derivatives on carbapenem-resistant Enterobacteriaceae producing NDM-1. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 285-302.	5.5	36
23	Luminescence switch-on detection of protein tyrosine kinase-7 using a G-quadruplex-selective probe. <i>Chemical Science</i> , 2015, 6, 4284-4290.	7.4	165
24	Stable Singleâ€Mode Lasing from a Hybrid Perovskiteâ€Polymer Fiber. <i>Advanced Optical Materials</i> , 0, , 2200439.	7.3	1