Wei Gao

List of Publications by Year
in descending order

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

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24	649	623734	677142
papers	citations	14	22
		h-index	g-index

24	24	24	861
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Luminescence switch-on detection of protein tyrosine kinase-7 using a G-quadruplex-selective probe. Chemical Science, 2015, 6, 4284-4290.	7.4	165
2	Preparation of flexible supercapacitor with RGO/Ni-MOF film on Ni-coated polyester fabric. Electrochimica Acta, 2019, 318, 23-31.	5.2	72
3	Rapid and highly sensitive SERS detection of fungicide based on flexible â€œwash freeâ€•metallic textile. Applied Surface Science, 2020, 512, 144693.	6.1	43
4	Unlocking surface octahedral tilt in two-dimensional Ruddlesden-Popper perovskites. Nature Communications, 2022, 13, 138.	12.8	42
5	Flexible, Reusable SERS Substrate Derived from ZIF-67 by Adjusting LUMO and HOMO and Its Application in Identification of Bacteria. ACS Applied Materials & Interfaces, 2020, 12, 49452-49463.	8.0	41
6	Investigation of synergistic antimicrobial effects of the drug combinations of meropenem and 1,2-benzisoselenazol-3(2H)-one derivatives on carbapenem-resistant Enterobacteriaceae producing NDM-1. European Journal of Medicinal Chemistry, 2018, 155, 285-302.	5.5	36
7	Reality or fantasyâ€”Perovskite semiconductor laser diodes. EcoMat, 2021, 3, e12077.	11.9	28
8	Boosting the efficacy of anti-MRSA Î²-lactam antibiotics via an easily accessible, non-cytotoxic and orally bioavailable FtsZ inhibitor. European Journal of Medicinal Chemistry, 2019, 163, 95-115.	5.5	27
9	Oneâ€Pot Synthesis of CsPbX₃ (X = Cl, Br, I)@Zeolite: A Potential Material for Wideâ€Colorâ€Gamut Backlit Displays and Upconversion Emission. Advanced Optical Materials, 2021, 9, 2100012.	7.3	23
10	Robust and Flexible Random Lasers Using Perovskite Quantum Dots Coated Nickel Foam for Speckleâ€Free Laser Imaging. Small, 2021, 17, e2103065.	10.0	22
11	Broadband, Enhanced, and Antithermally Quenched Near-Infrared Phosphors via a Cosubstitution Approach. Inorganic Chemistry, 2021, 60, 11616-11625.	4.0	21
12	De Novo Designed Hexadecapeptides Synergize Glycopeptide Antibiotics Vancomycin and Teicoplanin against Pathogenic Klebsiella pneumoniae via Disruption of Cell Permeability and Potential. ACS Applied Bio Materials, 2020, 3, 1738-1752.	4.6	18
13	Phenolâ€Solubleâ€Modulinâ€Inspired Amphipathic Peptides Have Bactericidal Activity against Multidrugâ€Resistant Bacteria. ChemMedChem, 2019, 14, 1547-1559.	3.2	17
14	Bioisosteric investigation of ebselen: Synthesis and in vitro characterization of 1,2-benzisothiazol-3(2H)-one derivatives as potent New Delhi metallo-Î²-lactamase inhibitors. Bioorganic Chemistry, 2020, 100, 103873.	4.1	17
15	Investigation of antibiofilm activity, antibacterial activity, and mechanistic studies of an amphiphilic peptide against Acinetobacter baumannii. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183600.	2.6	16
16	The achievement of red upconversion lasing for highly stable perovskite nanocrystal glasses with the assistance of anion modulation. Nano Research, 2021, 14, 2861-2866.	10.4	14
17	Ag@ZIF-67 decorated cotton fabric as flexible, stable and sensitive SERS substrate for label-free detection of phenol-soluble modulin. Cellulose, 2021, 28, 7389-7404.	4.9	10
18	Ultraviolet C lasing at 263â€‰â€‰nm from Ba₂LaF₇:Yb³⁺,Tm³⁺ upconversion nanocrystal microcavities. Optics Letters, 2020, 45, 5986.	3.3	9

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19	Membrane-disruptive engineered peptide amphiphiles restrain the proliferation of penicillins and cephalosporins resistant Vibrio alginolyticus and Vibrio parahaemolyticus in instant jellyfish. Food Control, 2022, 135, 108827.	5.5	9
20	Plasmonic alloy nanochains assembled via dielectrophoresis for ultrasensitive SERS. Optics Express, 2021, 29, 36857.	3.4	8
21	Synthesis of 1,3,4-trisubstituted pyrrolidines as meropenem adjuvants targeting New Delhi metallo-Î²-lactamase. New Journal of Chemistry, 2021, 45, 3515-3534.	2.8	5
22	Deep UV random lasing from NaGdF₄:Yb³⁺,Tm³⁺ upconversion nanocrystals in amorphous borosilicate glass. Optics Letters, 2020, 45, 3095.	3.3	5
23	Stable Singleâ€Mode Lasing from a Hybrid Perovskiteâ€“Polymer Fiber. Advanced Optical Materials, 0, , 2200439.	7.3	1
24	Synergistically enhanced electric field in inhomogeneous nanocavities for the application of recyclable SERS sensing. Applied Materials Today, 2022, 26, 101251.	4.3	0