Han-Jia Lin

List of Publications by Year
in descending order

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56 papers	2,069 citations	304743 22 h-index	243625 44 g-index
57 all docs	57 docs citations	57 times ranked	2874 citing authors

#	Article	IF	Citations
1	Super-Cationic Carbon Quantum Dots Synthesized from Spermidine as an Eye Drop Formulation for Topical Treatment of Bacterial Keratitis. ACS Nano, 2017, 11, 6703-6716.	14.6	325
2	Graphene-based nanofiltration membranes for improving salt rejection, water flux and antifoulingâ€“A review. Desalination, 2018, 429, 119-133.	8.2	239
3	Polyamines in Microalgae: Something Borrowed, Something New. Marine Drugs, 2019, 17, 1.	4.6	166
4	Synthesis of Selfâ€Assembled Spermidineâ€Carbon Quantum Dots Effective against Multidrugâ€Resistant Bacteria. Advanced Healthcare Materials, 2016, 5, 2545-2554.	7.6	151
5	High Amplification of the Antiviral Activity of Curcumin through Transformation into Carbon Quantum Dots. Small, 2019, 15, e1902641.	10.0	110
6	Detection of Proteins and Proteinâ^'Ligand Complexes Using HgTe Nanostructure Matrixes in Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2010, 82, 4543-4550.	6.5	70
7	Highly adhesive carbon quantum dots from biogenic amines for prevention of biofilm formation. Chemical Engineering Journal, 2020, 386, 123913.	12.7	64
8	Ultrastrong trapping of VEGF by graphene oxide: Anti-angiogenesis application. Biomaterials, 2016, 109, 12-22.	11.4	63
9	Carbonized nanogels for simultaneous antibacterial and antioxidant treatment of bacterial keratitis. Chemical Engineering Journal, 2021, 411, 128469.	12.7	58
10	Identification and Characterization of an Extracellular Alkaline Phosphatase in the Marine Diatom Phaeodactylum tricornutum. Marine Biotechnology, 2013, 15, 425-436.	2.4	52
11	Using photoluminescent gold nanodots to detect hemoglobin in diluted blood samples. Biosensors and Bioelectronics, 2013, 43, 38-44.	10.1	51
12	Highly efficient inhibition of human immunodeficiency virus type 1 reverse transcriptase by aptamers functionalized gold nanoparticles. Nanoscale, 2013, 5, 2756.	5.6	47
13	A Novel Heat-labile Phospholipid-binding Protein, SVS VII, in Mouse Seminal Vesicle as a Sperm Motility Enhancer. Journal of Biological Chemistry, 2001, 276, 6913-6921.	3.4	44
14	Monitoring Cluster Ions Derived from Aptamer-Modified Gold Nanofilms under Laser Desorption/Ionization for the Detection of Circulating Tumor Cells. ACS Applied Materials & Interfaces, 2015, 7, 8622-8630.	8.0	44
15	Detection of urinary spermine by using silver-gold/silver chloride nanozymes. Analytica Chimica Acta, 2018, 1009, 89-97.	5.4	44
16	Hypoxia-Inducible Factor 2 Alpha Is Essential for Hepatic Outgrowth and Functions via the Regulation of leg1 Transcription in the Zebrafish Embryo. PLoS ONE, 2014, 9, e101980.	2.5	32
17	LED irradiation of halogen/nitrogen-doped polymeric graphene quantum dots triggers the photodynamic inactivation of bacteria in infected wounds. Carbon, 2021, 174, 710-722.	10.3	30
18	Reborn from the Ashes: Turning Organic Molecules to Antimicrobial Carbon Quantum Dots. ACS Infectious Diseases, 2017, 3, 777-779.	3.8	29

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19	Localization of the Transglutaminase Cross-linking Site in SVS III, a Novel Glycoprotein Secreted from Mouse Seminal Vesicle. Journal of Biological Chemistry, 2002, 277, 3632-3639.	3.4	27
20	Synthesis and evaluation of polyamine carbon quantum dots (CQDs) in Litopenaeus vannamei as a therapeutic agent against WSSV. Scientific Reports, 2020, 10, 7343.	3.3	27
21	Alleviation of dry eye syndrome with one dose of antioxidant, anti-inflammatory, and mucoadhesive lysine-carbonized nanogels. Acta Biomaterialia, 2022, 141, 140-150.	8.3	27
22	Gold nanoparticles modified with self-assembled hybrid monolayer of triblock aptamers as a photoreversible anticoagulant. Journal of Controlled Release, 2016, 221, 9-17.	9.9	26
23	Alkaline phosphatase promoter as an efficient driving element for exogenic recombinant in the marine diatom Phaeodactylum tricornutum. Algal Research, 2017, 23, 58-65.	4.6	26
24	Toxic or Not Toxic, That Is the Carbon Quantum Dotâ€™s Question: A Comprehensive Evaluation with Zebrafish Embryo, Eleutheroembryo, and Adult Models. Polymers, 2021, 13, 1598.	4.5	24
25	Production of Arachidonic and Eicosapentaenoic Acids by the Marine Oomycete Halophytophthora. Marine Biotechnology, 2015, 17, 121-129.	2.4	22
26	Development of antiviral carbon quantum dots that target the Japanese encephalitis virus envelope protein. Journal of Biological Chemistry, 2022, 298, 101957.	3.4	18
27	A high-throughput colorimetric assay to characterize the enzyme kinetic and cellular activity of spermidine/spermine N1-acetyltransferase 1. Analytical Biochemistry, 2010, 407, 226-232.	2.4	16
28	Mutual adaptation between mouse transglutaminase 4 and its native substrates in the formation of copulatory plug. Amino Acids, 2012, 42, 951-960.	2.7	16
29	Distinction of Sperm-Binding Site and Reactive Site for Trypsin Inhibition on P12 Secreted from the Accessory Sex Glands of Male Mice1. Biology of Reproduction, 2004, 70, 965-971.	2.7	14
30	Purification and identification of transglutaminase from mouse coagulating gland and its cross-linking activity among seminal vesicle secretion proteins. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 876, 198-202.	2.3	14
31	Exclusive expression of a membraneâ€bound Spink3â€interacting serine proteaseâ€like protein TESPL in mouse testis. Journal of Cellular Biochemistry, 2010, 110, 620-629.	2.6	12
32	Visual Indicator for Surfactant Abundance in MS-Based Membrane and General Proteomics Applications. Analytical Chemistry, 2010, 82, 8283-8290.	6.5	12
33	DNA Modulates the Interaction of Genetically Engineered DNA-Binding Proteins and Gold Nanoparticles: Diagnosis of High-Risk HPV Infection. ACS Applied Materials & Interfaces, 2017, 9, 44307-44315.	8.0	12
34	Identification of the major TG₄ crossâ€linking sites in the androgenâ€dependent SVS I exclusively expressed in mouse seminal vesicle. Journal of Cellular Biochemistry, 2009, 107, 899-907.	2.6	11
35	Carbonized Lysine-Nanogels Protect against Infectious Bronchitis Virus. International Journal of Molecular Sciences, 2021, 22, 5415.	4.1	11
36	Carbon nanogels exert multipronged attack on resistant bacteria and strongly constrain resistance evolution. Journal of Colloid and Interface Science, 2022, 608, 1813-1826.	9.4	11

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37	Epitope topology and removal of mouse acrosomal plasma membrane by P12-targeted immunoaggregation. Biochemical and Biophysical Research Communications, 2006, 349, 284-288.	2.1	10
38	In situ synthesis of core-shell carbon nanowires as a potent targeted anticoagulant. Journal of Colloid and Interface Science, 2019, 552, 583-596.	9.4	9
39	Biotechnological applications of nanostructured hybrids of polyamine carbon quantum dots and iron oxide nanoparticles. Amino Acids, 2020, 52, 301-311.	2.7	9
40	Thermally driven formation of polyphenolic carbonized nanogels with high anticoagulant activity from polysaccharides. Biomaterials Science, 2021, 9, 4679-4690.	5.4	9
41	How to evaluate the potential toxicity of therapeutic carbon nanomaterials? A comprehensive study of carbonized nanogels with multiple animal toxicity test models. Journal of Hazardous Materials, 2022, 429, 128337.	12.4	9
42	Partial carbonization of quercetin boosts the antiviral activity against H1N1 influenza A virus. Journal of Colloid and Interface Science, 2022, 622, 481-493.	9.4	9
43	Isoelectric Focusing Management: An Investigation for Salt Interference and an Algorithm for Optimization. Journal of Proteome Research, 2010, 9, 5542-5556.	3.7	8
44	Multiple model species selection for transcriptomics analysis of non-model organisms. BMC Bioinformatics, 2018, 19, 284.	2.6	8
45	Functional preservation of duplicated pair for RSVS III gene in the REST locus of rat 3q42. Biochemical and Biophysical Research Communications, 2005, 326, 355-363.	2.1	7
46	Detecting disulfide crosslinks of high-molecular weight complexes in mouse SVS proteins by diagonal electrophoresis. Analytical Biochemistry, 2006, 352, 296-298.	2.4	7
47	Sinking of Four Species of Living Diatom Cells Directly Observed by a â€œTumbledâ€•Optical Microscope. Microscopy and Microanalysis, 2021, 27, 1154-1160.	0.4	6
48	Palmitic acid and long-chain polyunsaturated fatty acids dominate in mycelia of mangrove Halophytophthora and Salispina species in Taiwan. Botanica Marina, 2021, 64, 503-518.	1.2	6
49	Duplication and Diversification of the Spermidine/Spermine N1-acetyltransferase 1 Genes in Zebrafish. PLoS ONE, 2013, 8, e54017.	2.5	5
50	Combination of multiplex reverse transcription recombinase polymerase amplification assay and capillary electrophoresis provides high sensitive and high-throughput simultaneous detection of avian influenza virus subtypes. Journal of Veterinary Science, 2020, 21, e24.	1.3	5
51	Molecular Evolution of Multiple-Level Control of Heme Biosynthesis Pathway in Animal Kingdom. PLoS ONE, 2014, 9, e86718.	2.5	5
52	Multifunctional carbonized nanogels to treat lethal acute hepatopancreatic necrosis disease. Journal of Nanobiotechnology, 2021, 19, 448.	9.1	5
53	Replication of a Dog-Origin H6N1 Influenza Virus in Cell Culture and Mice. Viruses, 2020, 12, 704.	3.3	2
54	Combining Direct PCR Technology and Capillary Electrophoresis for an Easy-to-Operate and Highly Sensitive Infectious Disease Detection System for Shrimp. Life, 2022, 12, 276.	2.4	2

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55	Applying Modified VP53A Recombinant Protein as an Anti-White Spot Syndrome Virus Biological Agent in Litopenaeus vannamei Farming. Viruses, 2022, 14, 1353.	3.3	1
56	Cross-species identification of hydroxylation sites for ARD and FIH interaction. , 2011, , .		0