

Gang Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2211107/publications.pdf>

Version: 2024-02-01

87
papers

2,670
citations

159585

30
h-index

223800

46
g-index

89
all docs

89
docs citations

89
times ranked

3347
citing authors

#	ARTICLE	IF	CITATIONS
1	A disposable and flexible electrochemical sensor for the sensitive detection of heavy metals based on a one-step laser-induced surface modification: A new strategy for the batch fabrication of sensors. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130834.	7.8	36
2	A flexible and disposable electrochemical sensor for the evaluation of arsenic levels: A new and efficient method for the batch fabrication of chemically modified electrodes. <i>Analytica Chimica Acta</i> , 2022, 1194, 339413.	5.4	20
3	Origin of proton induced fluorescence quenching of colloidal carbon dots: reshaping of Schrödinger wavefunctions and huge red shift of transition energy. <i>Nanotechnology</i> , 2022, 33, 205503.	2.6	3
4	Multiplexed Anodic Stripping Voltammetry Detection of Heavy Metals in Water Using Nanocomposites Modified Screen-Printed Electrodes Integrated With a 3D-Printed Flow Cell. <i>Frontiers in Chemistry</i> , 2022, 10, 815805.	3.6	7
5	Application of a novel hydroxyl functionalized fluorescent covalent organic framework for turn-off ultrasensitive Zn ²⁺ ion detection. <i>Analytical Methods</i> , 2022, 14, 1988-1995.	2.7	5
6	Liquid Metal Fiber Mat as a Highly Stable Solid-State Junction for Inkjet-Printed Flexible Reference Electrodes. <i>Analytical Chemistry</i> , 2022, 94, 6728-6735.	6.5	5
7	VUV-H ₂ O ₂ photolysis as a pretreatment method for improving the SWASV detection accuracies of Cd ²⁺ and Pb ²⁺ in soil extracts. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107813.	6.7	4
8	Multiobjective path optimization for autonomous land levelling operations based on an improved MOEA/D-ACO. <i>Computers and Electronics in Agriculture</i> , 2022, 197, 106995.	7.7	8
9	Improving the accuracy of stripping voltammetry detection of Cd ²⁺ and Pb ²⁺ in the presence of Cu ²⁺ and Zn ²⁺ by machine learning: Understanding and inhibiting the interactive interference among multiple heavy metals. <i>Analytica Chimica Acta</i> , 2022, 1213, 339956.	5.4	12
10	A Review: Development of Computer Vision-Based Lameness Detection for Dairy Cows and Discussion of the Practical Applications. <i>Sensors</i> , 2021, 21, 753.	3.8	20
11	Accurate SWASV detection of Cd(II) under the interference of Pb(II) by coupling support vector regression and feature stripping currents. <i>Journal of Electroanalytical Chemistry</i> , 2021, 889, 115227.	3.8	11
12	Enhancement of mariculture wastewater treatment using moving bed biofilm reactors filled with modified biocarriers: Characterisation, process performance and microbial community evaluation. <i>Journal of Environmental Management</i> , 2021, 291, 112724.	7.8	22
13	Toward Rapid Detection of Trace Lead and Cadmium by Anodic Stripping Voltammetry in Complex Wastewater Streams. <i>ACS ES&T Engineering</i> , 2021, 1, 1509-1516.	7.6	9
14	Linker-Free Magnetite-Decorated Gold Nanoparticles (Fe ₃ O ₄ -Au): Synthesis, Characterization, and Application for Electrochemical Detection of Arsenic (III). <i>Sensors</i> , 2021, 21, 883.	3.8	19
15	Path tracking control with slip compensation of a global navigation satellite system based tractor-scraper land levelling system. <i>Biosystems Engineering</i> , 2021, 212, 360-377.	4.3	13
16	Analysis of Chlorophyll Concentration in Potato Crop by Coupling Continuous Wavelet Transform and Spectral Variable Optimization. <i>Remote Sensing</i> , 2020, 12, 2826.	4.0	25
17	Bismuth Subcarbonate Decorated Reduced Graphene Oxide Nanocomposite for the Sensitive Stripping Voltammetry Analysis of Pb(II) and Cd(II) in Water. <i>Sensors</i> , 2020, 20, 6085.	3.8	12
18	Coupling Square Wave Anodic Stripping Voltammetry with Support Vector Regression to Detect the Concentration of Lead in Soil under the Interference of Copper Accurately. <i>Sensors</i> , 2020, 20, 6792.	3.8	13

#	ARTICLE	IF	CITATIONS
19	Real-Time Detection on SPAD Value of Potato Plant Using an In-Field Spectral Imaging Sensor System. <i>Sensors</i> , 2020, 20, 3430.	3.8	10
20	Effects of stocking density on growth performance, blood parameters and immunity of growing pigs. <i>Animal Nutrition</i> , 2020, 6, 529-534.	5.1	4
21	Membranous Nephropathy in Pregnancy. <i>American Journal of Nephrology</i> , 2020, 51, 304-317.	3.1	11
22	Ammonium Pyrrolidine Dithiocarbamate-Modified CdTe/CdS Quantum Dots as a Turn-on Fluorescent Sensor for Detection of Trace Cadmium Ions. <i>Sensors</i> , 2020, 20, 312.	3.8	5
23	An All-Solid-State Nitrate Ion-Selective Electrode with Nanohybrids Composite Films for In-Situ Soil Nutrient Monitoring. <i>Sensors</i> , 2020, 20, 2270.	3.8	21
24	Complement activation profile of patients with primary focal segmental glomerulosclerosis. , 2020, 15, e0234934.		0
25	Complement activation profile of patients with primary focal segmental glomerulosclerosis. , 2020, 15, e0234934.		0
26	Complement activation profile of patients with primary focal segmental glomerulosclerosis. , 2020, 15, e0234934.		0
27	Complement activation profile of patients with primary focal segmental glomerulosclerosis. , 2020, 15, e0234934.		0
28	Hereditary renal amyloidosis with a variant lysozyme p.Trp82Arg in a Chinese family: case report and literature review. <i>BMC Nephrology</i> , 2019, 20, 310.	1.8	12
29	Synthesis and characterization of a single-walled carbon nanotubes/l-cysteine/Nafion-ionic liquid nanocomposite and its application in the ultrasensitive determination of Cd(II) and Pb(II). <i>Journal of Applied Electrochemistry</i> , 2019, 49, 609-619.	2.9	8
30	Synthesis of a three-dimensional (BiO)2CO3@single-walled carbon nanotube nanocomposite and its application for ultrasensitive detection of trace Pb(II) and Cd(II) by incorporating Nafion. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 71-79.	7.8	42
31	Electrochemical Deposition of Gold Nanoparticles on Reduced Graphene Oxide by Fast Scan Cyclic Voltammetry for the Sensitive Determination of As(III). <i>Nanomaterials</i> , 2019, 9, 41.	4.1	56
32	Monosodium L-glutamate and fats change free fatty acid concentrations in intestinal contents and affect free fatty acid receptors express profile in growing pigs. <i>Food and Nutrition Research</i> , 2019, 63, .	2.6	3
33	Electrochemical Biosensor Using DNA Embedded Phosphorothioate Modified RNA for Mercury Ion Determination. <i>ACS Sensors</i> , 2018, 3, 624-631.	7.8	37
34	Deposition and transport of trace mineral elements were affected by stocking density in fattening pigs. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 566-571.	3.0	3
35	Metabolic Regulation of Methionine Restriction in Diabetes. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700951.	3.3	41
36	Sensitive determination of trace Cd(ⁱⁱ) and Pb(ⁱⁱ) in soil by an improved stripping voltammetry method using two different in situ plated bismuth-film electrodes based on a novel electrochemical measurement system. <i>RSC Advances</i> , 2018, 8, 5079-5089.	3.6	24

#	ARTICLE	IF	CITATIONS
37	Antibodies against M-Type Phospholipase A2 Receptor May Predict Treatment Response and Outcome in Membranous Nephropathy. <i>American Journal of Nephrology</i> , 2018, 48, 438-446.	3.1	19
38	Metabolic and Proteomic Responses to Long-Term Protein Restriction in a Pig Model. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12571-12579.	5.2	13
39	Clinical implications of pathological features of primary membranous nephropathy. <i>BMC Nephrology</i> , 2018, 19, 215.	1.8	33
40	Clinical and prognostic significance of glomerular C1q deposits in primary MN. <i>Clinica Chimica Acta</i> , 2018, 485, 152-157.	1.1	18
41	Screen-Printed Electrode Modified by Bismuth /Fe3O4 Nanoparticle/Ionic Liquid Composite Using Internal Standard Normalization for Accurate Determination of Cd(II) in Soil. <i>Sensors</i> , 2018, 18, 6.	3.8	33
42	Interference Effects of Cu(II) and Pb(II) on the Stripping Voltammetric Detection of Cd(II): Improvement in the Detection Precision and Interference Correction. <i>Journal of the Electrochemical Society</i> , 2018, 165, H488-H495.	2.9	13
43	A Portable Electrochemical System for the On-Site Detection of Heavy Metals in Farmland Soil Based on Electrochemical Sensors. <i>IEEE Sensors Journal</i> , 2018, 18, 5645-5655.	4.7	29
44	Amino-acid transporters in T-cell activation and differentiation. <i>Cell Death and Disease</i> , 2017, 8, e2655-e2655.	6.3	102
45	L-Glutamine and L-arginine protect against enterotoxigenic <i>Escherichia coli</i> infection via intestinal innate immunity in mice. <i>Amino Acids</i> , 2017, 49, 1945-1954.	2.7	56
46	Effects of Long-Term Protein Restriction on Meat Quality, Muscle Amino Acids, and Amino Acid Transporters in Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 9297-9304.	5.2	68
47	Lysine Restriction Affects Feed Intake and Amino Acid Metabolism via Gut Microbiome in Piglets. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 1749-1761.	1.6	98
48	Simultaneous and Sensitive Detection of Cd(II) and Pb(II) Using a Novel Bismuth Film/Ordered Mesoporous Carbon@molecular Wire Modified Graphite Carbon Paste Electrode. <i>Electroanalysis</i> , 2017, 29, 497-505.	2.9	33
49	Simultaneous determination of trace Cd(II) and Pb(II) based on Bi/Nafion/reduced graphene oxide-gold nanoparticle nanocomposite film-modified glassy carbon electrode by one-step electrodeposition. <i>Ionics</i> , 2017, 23, 767-777.	2.4	56
50	Dietary <i>Saccharomyces cerevisiae</i> Cell Wall Extract Supplementation Alleviates Oxidative Stress and Modulates Serum Amino Acids Profiles in Weaned Piglets. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-7.	4.0	29
51	Crosstalk between Tryptophan Metabolism and Cardiovascular Disease, Mechanisms, and Therapeutic Implications. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-5.	4.0	50
52	Recent Advances in Chemically Modified Electrodes, Microfabricated Devices and Injection Systems for the Electrochemical Detection of Heavy Metals: A review. <i>International Journal of Electrochemical Science</i> , 2017, 12, 8622-8641.	1.3	39
53	Direct Quantification of Cd ²⁺ in the Presence of Cu ²⁺ by a Combination of Anodic Stripping Voltammetry Using a Bi-Film-Modified Glassy Carbon Electrode and an Artificial Neural Network. <i>Sensors</i> , 2017, 17, 1558.	3.8	15
54	Mitochondrial pathway is involved in the protective effects of alpha-ketoglutarate on hydrogen peroxide induced damage to intestinal cells. <i>Oncotarget</i> , 2017, 8, 74820-74835.	1.8	20

#	ARTICLE	IF	CITATIONS
55	Alpha-ketoglutarate (AKG) lowers body weight and affects intestinal innate immunity through influencing intestinal microbiota. <i>Oncotarget</i> , 2017, 8, 38184-38192.	1.8	25
56	Simultaneous Determination of Cd(II) and Pb(II) Based on Bismuth Film/Carboxylic Acid Functionalized Multi-Walled Carbon Nanotubes- β -cyclodextrin-Nafion Nanocomposite Modified Electrode. <i>International Journal of Electrochemical Science</i> , 2016, 11, 8109-8122.	1.3	18
57	Interferon Tau Affects Mouse Intestinal Microbiota and Expression of IL-17. <i>Mediators of Inflammation</i> , 2016, 2016, 1-9.	3.0	21
58	Dietary Chitosan Supplementation Increases Microbial Diversity and Attenuates the Severity of <i>Citrobacter rodentium</i> Infection in Mice. <i>Mediators of Inflammation</i> , 2016, 2016, 1-7.	3.0	17
59	Chitosan Modulates Inflammatory Responses in Rats Infected with Enterotoxigenic <i>Escherichia coli</i> . <i>Mediators of Inflammation</i> , 2016, 2016, 1-6.	3.0	37
60	<i>Macleaya cordata</i> Extract Decreased Diarrhea Score and Enhanced Intestinal Barrier Function in Growing Piglets. <i>BioMed Research International</i> , 2016, 2016, 1-7.	1.9	33
61	Effect of High Dietary Tryptophan on Intestinal Morphology and Tight Junction Protein of Weaned Pig. <i>BioMed Research International</i> , 2016, 2016, 1-6.	1.9	58
62	Analysis of the Impact of Isoquinoline Alkaloids, Derived from <i>Macleaya cordata</i> Extract, on the Development and Innate Immune Response in Swine and Poultry. <i>BioMed Research International</i> , 2016, 2016, 1-7.	1.9	29
63	Optimization of Stripping Voltammetric Sensor by a Back Propagation Artificial Neural Network for the Accurate Determination of Pb(II) in the Presence of Cd(II). <i>Sensors</i> , 2016, 16, 1540.	3.8	17
64	Box-Behnken response surface design for the optimization of electrochemical detection of cadmium by Square Wave Anodic Stripping Voltammetry on bismuth film/glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 67-73.	7.8	50
65	Sensitive stripping voltammetric determination of Cd(II) and Pb(II) by a Bi/multi-walled carbon nanotube-emeraldine base polyaniline-Nafion composite modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2016, 220, 267-275.	5.2	96
66	T cell infiltration is associated with kidney injury in patients with anti-glomerular basement membrane disease. <i>Science China Life Sciences</i> , 2016, 59, 1282-1289.	4.9	22
67	Clinical Significance of IgM and C3 Glomerular Deposition in Primary Focal Segmental Glomerulosclerosis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016, 11, 1582-1589.	4.5	44
68	Dietary supplementation with l-glutamate and l-aspartate alleviates oxidative stress in weaned piglets challenged with hydrogen peroxide. <i>Amino Acids</i> , 2016, 48, 53-64.	2.7	74
69	Pyrrrolidine Dithiocarbamate Inhibits NF-KappaB Activation and Upregulates the Expression of Gpx1, Gpx4, Occludin, and ZO-1 in DSS-Induced Colitis. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 1716-1728.	2.9	39
70	Autophagy protects intestinal epithelial Cells against Deoxynivalenol toxicity by alleviating oxidative stress via IKK signaling pathway. <i>Free Radical Biology and Medicine</i> , 2015, 89, 944-951.	2.9	83
71	Differential expression of proteins involved in energy production along the crypt-villus axis in early-weaning pig small intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G229-G237.	3.4	40
72	Effect of Dietary Selenium Yeast Supplementation on Porcine Circovirus Type 2 (PCV2) Infections in Mice. <i>PLoS ONE</i> , 2015, 10, e0115833.	2.5	25

#	ARTICLE	IF	CITATIONS
73	The Alternative Pathway of Complement Activation May Be Involved in the Renal Damage of Human Anti-Glomerular Basement Membrane Disease. PLoS ONE, 2014, 9, e91250.	2.5	36
74	Dietary Glutamate Supplementation Ameliorates Mycotoxin-Induced Abnormalities in the Intestinal Structure and Expression of Amino Acid Transporters in Young Pigs. PLoS ONE, 2014, 9, e112357.	2.5	47
75	Clinical and Renal Biopsy Findings Predicting Outcome in Renal Thrombotic Microangiopathy: A Large Cohort Study from a Single Institute in China. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	25
76	Dietary Arginine Supplementation of Mice Alters the Microbial Population and Activates Intestinal Innate Immunity. Journal of Nutrition, 2014, 144, 988-995.	2.9	179
77	The clinical and immunological features of patients with combined anti-glomerular basement membrane disease and membranous nephropathy. Kidney International, 2014, 85, 945-952.	5.2	46
78	Draft Genome Sequence of Bacillus subtilis Strain NKYL29, an Antimicrobial-Peptide-Producing Strain from Soil. Genome Announcements, 2014, 2, .	0.8	0
79	Therapeutic Effects of Glutamic Acid in Piglets Challenged with Deoxynivalenol. PLoS ONE, 2014, 9, e100591.	2.5	65
80	Serum Amino Acids Profile and the Beneficial Effects of L-Arginine or L-Glutamine Supplementation in Dextran Sulfate Sodium Colitis. PLoS ONE, 2014, 9, e88335.	2.5	128
81	Enterotoxigenic Escherichia coli infection induces intestinal epithelial cell autophagy. Veterinary Microbiology, 2014, 171, 160-164.	1.9	38
82	An NMR-Based Metabolomic Approach to Investigate the Effects of Supplementation with Glutamic Acid in Piglets Challenged with Deoxynivalenol. PLoS ONE, 2014, 9, e113687.	2.5	40
83	Electrochemical detection of trace cadmium in soil using a Nafion/stannum film-modified molecular wire carbon paste electrodes. Ionics, 2013, 19, 1687-1693.	2.4	49
84	Discovery of Potential piRNAs from Next Generation Sequences of the Sexually Mature Porcine Testes. PLoS ONE, 2012, 7, e34770.	2.5	18
85	Molecular dissection of plant height QTLs using recombinant inbred lines from hybrids between common wheat (Triticum aestivum L.) and spelt wheat (Triticum spelta L.). Science Bulletin, 2011, 56, 1897-1903.	1.7	19
86	An Artificial Neural Network-based Expert System for Fruit Tree Disease and Insect Pest Diagnosis. , 0, , .		2
87	An Methodology of Automatic Guidance System. , 0, , .		1