

# Gang Liu

## List of Publications by Year in descending order

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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	Dietary Arginine Supplementation of Mice Alters the Microbial Population and Activates Intestinal Innate Immunity. <i>Journal of Nutrition</i> , 2014, 144, 988-995.	2.9	179
2	Serum Amino Acids Profile and the Beneficial Effects of L-Arginine or L-Glutamine Supplementation in Dextran Sulfate Sodium Colitis. <i>PLoS ONE</i> , 2014, 9, e88335.	2.5	128
3	Amino-acid transporters in T-cell activation and differentiation. <i>Cell Death and Disease</i> , 2017, 8, e2655-e2655.	6.3	102
4	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
5	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
6	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
7	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
8	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
9	Therapeutic Effects of Glutamic Acid in Piglets Challenged with Deoxynivalenol. <i>PLoS ONE</i> , 2014, 9, e100591.	2.5	65
10	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
11	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
12	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
13	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
14	Boxâ€œBehnken 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
15	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
16	Electrochemical detection of trace cadmium in soil using a Nafion/stannum film-modified molecular wire carbon paste electrodes. <i>Ionics</i> , 2013, 19, 1687-1693.	2.4	49
17	Dietary Glutamate Supplementation Ameliorates Mycotoxin-Induced Abnormalities in the Intestinal Structure and Expression of Amino Acid Transporters in Young Pigs. <i>PLoS ONE</i> , 2014, 9, e112357.	2.5	47
18	The clinical and immunological features of patients with combined anti-glomerular basement membrane disease and membranous nephropathy. <i>Kidney International</i> , 2014, 85, 945-952.	5.2	46

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19	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
20	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
21	Metabolic Regulation of Methionine Restriction in Diabetes. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700951.	3.3	41
22	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
23	An NMR-Based Metabolomic Approach to Investigate the Effects of Supplementation with Glutamic Acid in Piglets Challenged with Deoxynivalenol. <i>PLoS ONE</i> , 2014, 9, e113687.	2.5	40
24	Pyrrolidine 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
25	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
26	Enterotoxigenic <i>Escherichia coli</i> infection induces intestinal epithelial cell autophagy. <i>Veterinary Microbiology</i> , 2014, 171, 160-164.	1.9	38
27	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
28	Electrochemical Biosensor Using DNA Embedded Phosphorothioate Modified RNA for Mercury Ion Determination. <i>ACS Sensors</i> , 2018, 3, 624-631.	7.8	37
29	The Alternative Pathway of Complement Activation May Be Involved in the Renal Damage of Human Anti-Glomerular Basement Membrane Disease. <i>PLoS ONE</i> , 2014, 9, e91250.	2.5	36
30	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
31	<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
32	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
33	Clinical implications of pathological features of primary membranous nephropathy. <i>BMC Nephrology</i> , 2018, 19, 215.	1.8	33
34	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
35	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
36	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

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37	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
38	Clinical and Renal Biopsy Findings Predicting Outcome in Renal Thrombotic Microangiopathy: A Large Cohort Study from a Single Institute in China. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	2.1	25
39	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
40	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
41	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
42	Sensitive determination of trace Cd and Pb 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
43	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
44	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
45	Interferon Tau Affects Mouse Intestinal Microbiota and Expression of IL-17. <i>Mediators of Inflammation</i> , 2016, 2016, 1-9.	3.0	21
46	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
47	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
48	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
49	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
50	Molecular dissection of plant height QTLs using recombinant inbred lines from hybrids between common wheat ( <i>Triticum aestivum</i> L.) and spelt wheat ( <i>Triticum spelta</i> L.). <i>Science Bulletin</i> , 2011, 56, 1897-1903.	1.7	19
51	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
52	Linker-Free Magnetite-Decorated Gold Nanoparticles (Fe <sub>3</sub> O <sub>4</sub> -Au): Synthesis, Characterization, and Application for Electrochemical Detection of Arsenic (III). <i>Sensors</i> , 2021, 21, 883.	3.8	19
53	Discovery of Potential piRNAs from Next Generation Sequences of the Sexually Mature Porcine Testes. <i>PLoS ONE</i> , 2012, 7, e34770.	2.5	18
54	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

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55	Clinical and prognostic significance of glomerular C1q deposits in primary MN. <i>Clinica Chimica Acta</i> , 2018, 485, 152-157.	1.1	18
56	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
57	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
58	Direct Quantification of Cd <sup>2+</sup> in the Presence of Cu <sup>2+</sup> 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
59	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
60	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
61	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
62	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
63	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
64	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
65	Improving the accuracy of stripping voltammetry detection of Cd <sup>2+</sup> and Pb <sup>2+</sup> in the presence of Cu <sup>2+</sup> and Zn <sup>2+</sup> by machine learning: Understanding and inhibiting the interactive interference among multiple heavy metals. <i>Analytica Chimica Acta</i> , 2022, 1213, 339956.	5.4	12
66	Membranous Nephropathy in Pregnancy. <i>American Journal of Nephrology</i> , 2020, 51, 304-317.	3.1	11
67	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
68	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
69	Toward Rapid Detection of Trace Lead and Cadmium by Anodic Stripping Voltammetry in Complex Wastewater Streams. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 1509-1516.	7.6	9
70	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
71	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
72	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

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73	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
74	Application of a novel hydroxyl functionalized fluorescent covalent organic framework for turn-off ultrasensitive Zn <sup>2+</sup> ion detection. <i>Analytical Methods</i> , 2022, 14, 1988-1995.	2.7	5
75	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
76	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
77	VUV-H <sub>2</sub> O <sub>2</sub> photolysis as a pretreatment method for improving the SWASV detection accuracies of Cd <sup>2+</sup> and Pb <sup>2+</sup> in soil extracts. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107813.	6.7	4
78	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
79	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
80	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
81	An Artificial Neural Network-based Expert System for Fruit Tree Disease and Insect Pest Diagnosis. , 0, , .		2
82	An Methodology of Automatic Guidance System. , 0, , .		1
83	Draft Genome Sequence of Bacillus subtilis Strain NKYL29, an Antimicrobial-Peptide-Producing Strain from Soil. <i>Genome Announcements</i> , 2014, 2, .	0.8	0
84	Complement activation profile of patients with primary focal segmental glomerulosclerosis. , 2020, 15, e0234934.		0
85	Complement activation profile of patients with primary focal segmental glomerulosclerosis. , 2020, 15, e0234934.		0
86	Complement activation profile of patients with primary focal segmental glomerulosclerosis. , 2020, 15, e0234934.		0
87	Complement activation profile of patients with primary focal segmental glomerulosclerosis. , 2020, 15, e0234934.		0