

# Ming-Quan Guo

## List of Publications by Year in descending order

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77  
papers

2,054  
citations

257357

24  
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276775

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77  
docs citations

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times ranked

2522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting Bacterial Membrane Proteins to Explore the Beneficial Effects of Natural Products: New Antibiotics against Drug Resistance. <i>Current Medicinal Chemistry</i> , 2022, 29, 2109-2126.	1.2	4
2	Screening and characterisation of potential antioxidant, hypoglycemic and hypolipidemic components revealed in <i>Portulaca oleracea</i> via multi-target affinity ultrafiltration LC-MS and molecular docking. <i>Phytochemical Analysis</i> , 2022, 33, 272-285.	1.2	14
3	Potential hypoglycemic, hypolipidemic, and anti-inflammatory bioactive components in <i>Nelumbo nucifera</i> leaves explored by bioaffinity ultrafiltration with multiple targets. <i>Food Chemistry</i> , 2022, 375, 131856.	4.2	34
4	Potential Antioxidative Components in <i>Azadirachta indica</i> Revealed by Bio-Affinity Ultrafiltration with SOD and XOD. <i>Antioxidants</i> , 2022, 11, 658.	2.2	8
5	Potential Anti-aging Components From <i>Moringa oleifera</i> Leaves Explored by Affinity Ultrafiltration With Multiple Drug Targets. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	9
6	Simultaneous Screening and Analysis of Anti-inflammatory and Antiproliferative Compounds from <i>Euphorbia maculata</i> Combining Bio-affinity Ultrafiltration with Multiple Drug Targets. <i>Journal of Analysis and Testing</i> , 2022, 6, 98-110.	2.5	9
7	Inhibitors Targeting Multiple Janus Kinases From <i>Zanthoxylum simulans</i> Mediate Inhibition and Apoptosis Against Gastric Cancer Cells via the Estrogen Pathway. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	3
8	Molecular characterization of a Novel NAD <sup>+</sup> -dependent farnesol dehydrogenase SoFLDH gene involved in sesquiterpenoid synthases from <i>Salvia officinalis</i> . <i>PLoS ONE</i> , 2022, 17, e0269045.	1.1	2
9	Flavonoids from <i>Selaginella doederleinii</i> Hieron and Their Antioxidant and Antiproliferative Activities. <i>Antioxidants</i> , 2022, 11, 1189.	2.2	10
10	Correlations between phytochemical fingerprints of <i>Moringa oleifera</i> leaf extracts and their antioxidant activities revealed by chemometric analysis. <i>Phytochemical Analysis</i> , 2021, 32, 698-709.	1.2	12
11	New Lignanamides with Antioxidant and Anti-Inflammatory Activities Screened Out and Identified from <i>Warburgia ugandensis</i> Combining Affinity Ultrafiltration LC-MS with SOD and XOD Enzymes. <i>Antioxidants</i> , 2021, 10, 370.	2.2	15
12	Antioxidant and Antiproliferative Potentials of <i>Ficus glumosa</i> and Its Bioactive Polyphenol Metabolites. <i>Pharmaceuticals</i> , 2021, 14, 266.	1.7	9
13	Identification of Anti-Inflammatory and Anti-Proliferative Neolignanamides from <i>Warburgia ugandensis</i> Employing Multi-Target Affinity Ultrafiltration and LC-MS. <i>Pharmaceuticals</i> , 2021, 14, 313.	1.7	7
14	Phenolic Compounds from <i>Carissa spinarum</i> Are Characterized by Their Antioxidant, Anti-Inflammatory and Hepatoprotective Activities. <i>Antioxidants</i> , 2021, 10, 652.	2.2	9
15	Insecticidal Activities Against <i>Odontotermes formosanus</i> and <i>Plutella xylostella</i> and Corresponding Constituents of Tung Meal from <i>Vernicia fordii</i> . <i>Insects</i> , 2021, 12, 425.	1.0	5
16	Metabolomics reveals a correlation between hydroxyeicosatetraenoic acids and allergic asthma: Evidence from three years' immunotherapy. <i>Pediatric Allergy and Immunology</i> , 2021, 32, 1654-1662.	1.1	14
17	Acyl Quinic Acid Derivatives Screened Out from <i>Carissa spinarum</i> by SOD-Affinity Ultrafiltration LC-MS and Their Antioxidative and Hepatoprotective Activities. <i>Antioxidants</i> , 2021, 10, 1302.	2.2	8
18	Stimulation of ROS Generation by Extract of <i>Warburgia ugandensis</i> Leading to G0/G1 Cell Cycle Arrest and Antiproliferation in A549 Cells. <i>Antioxidants</i> , 2021, 10, 1559.	2.2	6

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19	Exploring Multifunctional Bioactive Components from <i>Podophyllum sinense</i> Using Multi-Target Ultrafiltration. <i>Frontiers in Pharmacology</i> , 2021, 12, 749189.	1.6	13
20	Inhibition of Growth of Colon Tumors and Proliferation of HT-29 Cells by <i>Warburgia ugandensis</i> Extract through Mediating G0/G1 Cell Cycle Arrest, Cell Apoptosis, and Intracellular ROS Generation. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-11.	1.9	26
21	A review on the latest advances in extraction and analysis of artemisinin. <i>Phytochemical Analysis</i> , 2020, 31, 5-14.	1.2	13
22	Screening for natural inhibitors of human topoisomerases from medicinal plants with bio-affinity ultrafiltration and LC-MS. <i>Phytochemistry Reviews</i> , 2020, 19, 1231-1261.	3.1	16
23	Plant-derived secondary metabolites as the main source of efflux pump inhibitors and methods for identification. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 277-290.	2.4	85
24	Gas chromatographic analysis of naturally occurring cannabinoids: A review of literature published during the past decade. <i>Phytochemical Analysis</i> , 2020, 31, 135-146.	1.2	39
25	<i>Plukenetia huayllabambana</i> Fruits: Analysis of Bioactive Compounds, Antibacterial Activity and Relative Action Mechanisms. <i>Plants</i> , 2020, 9, 1111.	1.6	5
26	Comparing Three Different Extraction Techniques on Essential Oil Profiles of Cultivated and Wild Lotus ( <i>Nelumbo nucifera</i> ) Flower. <i>Life</i> , 2020, 10, 209.	1.1	8
27	Recent Advances in Molecular Docking for the Research and Discovery of Potential Marine Drugs. <i>Marine Drugs</i> , 2020, 18, 545.	2.2	88
28	Hypoglycemic and hypolipidemic effects of <i>Moringa oleifera</i> leaves and their functional chemical constituents. <i>Food Chemistry</i> , 2020, 333, 127478.	4.2	61
29	Characterization of covalent protein modification by triclosan in vivo and in vitro via three-dimensional liquid chromatography-mass spectrometry: New insight into its adverse effects. <i>Environment International</i> , 2020, 136, 105423.	4.8	9
30	Antioxidant and Anti-Proliferative Properties of <i>Hagenia abyssinica</i> Roots and Their Potentially Active Components. <i>Antioxidants</i> , 2020, 9, 143.	2.2	19
31	Headspace gas chromatographic method for antimicrobial screening: Minimum inhibitory concentration determination. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 181, 113122.	1.4	4
32	A phase conversion headspace technique for the determination of anti-anaerobic activity of drug candidate based on the metabolic acidity change in culture medium. <i>Journal of Chromatography A</i> , 2020, 1621, 461024.	1.8	2
33	Antioxidant, Anti-inflammatory Activities and Polyphenol Profile of <i>Rhamnus prinoides</i> . <i>Pharmaceuticals</i> , 2020, 13, 55.	1.7	27
34	In Vitro Antibacterial and Antiproliferative Potential of <i>Echinops lanceolatus</i> Mattf. (Asteraceae) and Identification of Potential Bioactive Compounds. <i>Pharmaceuticals</i> , 2020, 13, 59.	1.7	23
35	Volatile fingerprints and biomarkers of three representative kiwifruit cultivars obtained by headspace solid-phase microextraction gas chromatography mass spectrometry and chemometrics. <i>Food Chemistry</i> , 2019, 271, 211-215.	4.2	28
36	Antioxidant and Anti-Inflammatory Activities of the Crude Extracts of <i>Moringa oleifera</i> from Kenya and Their Correlations with Flavonoids. <i>Antioxidants</i> , 2019, 8, 296.	2.2	108

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37	Enrichment and analysis of quaternary alkaloids from <i>Zanthoxylum simulans</i> using weak cation exchange solid-phase extraction coupled with LC-MS. <i>Phytochemical Analysis</i> , 2019, 30, 727-734.	1.2	12
38	Antiproliferative and Enzyme Docking Analysis of Engleromycin from <i>Engleromyces goetzei</i> . <i>Molecules</i> , 2019, 24, 166.	1.7	8
39	In-situ headspace analysis of metabolic carbon dioxide of aerobic bacteria for assessing antimicrobial activity of natural products. <i>Journal of Chromatography A</i> , 2019, 1600, 41-45.	1.8	5
40	Integrated Proteomics, Biological Functional Assessments, and Metabolomics Reveal Toosendanin-Induced Hepatic Energy Metabolic Disorders. <i>Chemical Research in Toxicology</i> , 2019, 32, 668-680.	1.7	16
41	Comparative and chemometric analysis of correlations between the chemical fingerprints and anti-proliferative activities of ganoderic acids from three <i>Ganoderma</i> species. <i>Phytochemical Analysis</i> , 2019, 30, 474-480.	1.2	10
42	One-Pot Synthesis of Epirubicin-Capped Silver Nanoparticles and Their Anticancer Activity against Hep G2 Cells. <i>Pharmaceutics</i> , 2019, 11, 123.	2.0	29
43	Advances in MS Based Strategies for Probing Ligand-Target Interactions: Focus on Soft Ionization Mass Spectrometric Techniques. <i>Frontiers in Chemistry</i> , 2019, 7, 703.	1.8	25
44	Antioxidant and anti-inflammatory properties of flavonoids from lotus plumule. <i>Food Chemistry</i> , 2019, 277, 706-712.	4.2	143
45	Research advances in traditional and modern use of <i>Nelumbo nucifera</i> : phytochemicals, health promoting activities and beyond. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, S189-S209.	5.4	67
46	Screening for anti-proliferative and anti-inflammatory components from <i>Rhamnus davurica</i> Pall. using bio-affinity ultrafiltration with multiple drug targets. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3587-3595.	1.9	29
47	Recent development in mass spectrometry and its hyphenated techniques for the analysis of medicinal plants. <i>Phytochemical Analysis</i> , 2018, 29, 365-374.	1.2	30
48	Profiling of polyunsaturated fatty acids in human serum using off-line and on-line solid phase extraction-nano-liquid chromatography-quadrupole-time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1537, 141-146.	1.8	13
49	Rapid re-evaluation of bioactive saponins from <i>Paris polyphylla</i> using affinity ultrafiltration-LC/MS with multiple drug targets. <i>International Journal of Mass Spectrometry</i> , 2018, 434, 87-92.	0.7	9
50	Polarity-Tuning Derivatization-LC-MS Approach for Probing Global Carboxyl-Containing Metabolites in Colorectal Cancer. <i>Analytical Chemistry</i> , 2018, 90, 11210-11215.	3.2	71
51	Current advances in screening for bioactive components from medicinal plants by affinity ultrafiltration mass spectrometry. <i>Phytochemical Analysis</i> , 2018, 29, 375-386.	1.2	42
52	Advances in mass spectrometry techniques applicable to phytochemical analysis. <i>Phytochemical Analysis</i> , 2018, 29, 329-330.	1.2	2
53	Cell Cycle Arrest and Apoptosis in HT-29 Cells Induced by Dichloromethane Fraction From <i>Toddalia asiatica</i> (L.) Lam.. <i>Frontiers in Pharmacology</i> , 2018, 9, 629.	1.6	19
54	Investigation of changes in endocannabinoids and N-acyl ethanolamides in biofluids, and their correlations with female infertility. <i>Journal of Chromatography A</i> , 2017, 1509, 16-25.	1.8	11

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55	Acid/Salt/pH Gradient Improved Resolution and Sensitivity in Proteomics Study Using 2D SCX-RP LC-MS. <i>Journal of Proteome Research</i> , 2017, 16, 3470-3475.	1.8	22
56	Strategy for Hepatotoxicity Prediction Induced by Drug Reactive Metabolites Using Human Liver Microsome and Online 2D-Nano-LC-MS Analysis. <i>Analytical Chemistry</i> , 2017, 89, 13167-13175.	3.2	20
57	Flavonoids of Lotus ( <i>Nelumbo nucifera</i> ) Seed Embryos and Their Antioxidant Potential. <i>Journal of Food Science</i> , 2017, 82, 1834-1841.	1.5	42
58	Analysis and Differentiation of the Volatile Compounds in Red and White Wines Using Desiccated Headspace Gas Chromatography-Mass Spectrometry Coupled with Chemometrics. <i>Food Analytical Methods</i> , 2017, 10, 3531-3537.	1.3	6
59	Solvent-saturated solid matrix technique for increasing the efficiency of headspace extraction of volatiles. <i>Journal of Chromatography A</i> , 2017, 1511, 9-14.	1.8	6
60	Rapid Screening for $\beta$ -Glucosidase Inhibitors from <i>Gymnema sylvestris</i> by Affinity Ultrafiltration-HPLC-MS. <i>Frontiers in Pharmacology</i> , 2017, 8, 228.	1.6	59
61	Screening for Natural Inhibitors of Topoisomerases I from <i>Rhamnus davurica</i> by Affinity Ultrafiltration and High-Performance Liquid Chromatography-Mass Spectrometry. <i>Frontiers in Plant Science</i> , 2017, 8, 1521.	1.7	22
62	Comparative Analysis of Saponins from Different Phytolaccaceae Species and Their Antiproliferative Activities. <i>Molecules</i> , 2017, 22, 1077.	1.7	14
63	Quantitative Analysis and Comparison of Flavonoids in Lotus Plumules of Four Representative Lotus Cultivars. <i>Journal of Spectroscopy</i> , 2017, 2017, 1-9.	0.6	7
64	Comparative study on alkaloids and their anti-proliferative activities from three <i>Zanthoxylum</i> species. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 460.	3.7	23
65	Components and Anti-HepG2 Activity Comparison of <i>Lycopodium</i> Alkaloids from Four Geographic Origins. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-9.	0.5	5
66	Analysis of Flavonoids in <i>Rhamnus davurica</i> and Its Antiproliferative Activities. <i>Molecules</i> , 2016, 21, 1275.	1.7	124
67	Current Advances in the Metabolomics Study on Lotus Seeds. <i>Frontiers in Plant Science</i> , 2016, 7, 891.	1.7	25
68	Screening for inhibitors of topoisomerase I from <i>Lycoris radiata</i> by combining ultrafiltration with liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 95-99.	0.7	6
69	Antiproliferative activities of Amaryllidaceae alkaloids from <i>Lycoris radiata</i> targeting DNA topoisomerase I. <i>Scientific Reports</i> , 2016, 6, 38284.	1.6	41
70	Mass spectrometry based translational proteomics for biomarker discovery and application in colorectal cancer. <i>Proteomics - Clinical Applications</i> , 2016, 10, 503-515.	0.8	15
71	Analysis of volatile compounds responsible for kiwifruit aroma by desiccated headspace gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1440, 255-259.	1.8	20
72	Studies on Transition Metal-Quercetin Complexes Using Electrospray Ionization Tandem Mass Spectrometry. <i>Molecules</i> , 2015, 20, 8583-8594.	1.7	88

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73	Analysis of Flavonoids in Lotus ( <i>Nelumbo nucifera</i> ) Leaves and Their Antioxidant Activity Using Macroporous Resin Chromatography Coupled with LC-MS/MS and Antioxidant Biochemical Assays. <i>Molecules</i> , 2015, 20, 10553-10565.	1.7	100
74	Comparative Analysis of Amaryllidaceae Alkaloids from Three <i>Lycoris</i> Species. <i>Molecules</i> , 2015, 20, 21854-21869.	1.7	32
75	Phenolic Profiling of <i>Duchesnea indica</i> Combining Macroporous Resin Chromatography (MRC) with HPLC-ESI-MS/MS and ESI-IT-MS. <i>Molecules</i> , 2015, 20, 22463-22475.	1.7	58
76	Integration of phosphoproteomic, chemical, and biological strategies for the functional analysis of targeted protein phosphorylation. <i>Proteomics</i> , 2013, 13, 424-437.	1.3	23
77	Anti-Inflammatory Properties and Potential Bioactive Components from <i>Moringa oleifera</i> Leaves Revealed by Affinity Ultrafiltration LC-MS and Molecular Docking. <i>ACS Food Science &amp; Technology</i> , 0, , .	1.3	3