

# Syed Ghulam Musharraf

## List of Publications by Year in descending order

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Version: 2024-02-01

178  
papers

2,816  
citations

186265

28  
h-index

302126

39  
g-index

181  
all docs

181  
docs citations

181  
times ranked

3868  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of analytical methods in authentication and adulteration of honey. Food Chemistry, 2017, 217, 687-698.	8.2	195
2	Salicylaldehyde derivative of nano-chitosan as an efficient adsorbent for lead(II), copper(II), and cadmium(II) ions. International Journal of Biological Macromolecules, 2020, 147, 643-652.	7.5	65
3	Phenolic and other constituents of fresh water fern <i>Salvinia molesta</i> . Phytochemistry, 2008, 69, 1018-1023.	2.9	63
4	Serum Metabolomic Profiles for Breast Cancer Diagnosis, Grading and Staging by Gas Chromatography-Mass Spectrometry. Scientific Reports, 2017, 7, 1715.	3.3	61
5	Antimicrobial Properties of <i>Apis mellifera</i> 's Bee Venom. Toxins, 2020, 12, 451.	3.4	54
6	Biodiesel production from microalgal isolates of southern Pakistan and quantification of FAMES by GC-MS/MS analysis. Chemistry Central Journal, 2012, 6, 149.	2.6	53
7	Screening for natural and derived bio-active compounds in preclinical and clinical studies: One of the frontlines of fighting the coronaviruses pandemic. Phytomedicine, 2021, 85, 153311.	5.3	51
8	Serum metabolomics of acute leukemia using nuclear magnetic resonance spectroscopy. Scientific Reports, 2016, 6, 30693.	3.3	48
9	Wasp Venom Biochemical Components and Their Potential in Biological Applications and Nanotechnological Interventions. Toxins, 2021, 13, 206.	3.4	46
10	Antioxidant and hepatoprotective activity appraisal of four selected <i>Fumaria</i> species and their total phenol and flavonoid quantities. Experimental and Toxicologic Pathology, 2012, 64, 205-209.	2.1	45
11	Cardenolides: Insights from chemical structure and pharmacological utility. Pharmacological Research, 2019, 141, 123-175.	7.1	43
12	Microbial Transformation of Sesquiterpenes, (?)-Ambroxin and (+)-Sclareolide. Helvetica Chimica Acta, 2004, 87, 2685-2694.	1.6	42
13	Plasma Metabolite Profiling and Chemometric Analyses of Lung Cancer along with Three Controls through Gas Chromatography-Mass Spectrometry. Scientific Reports, 2015, 5, 8607.	3.3	41
14	Honeybee products: An updated review of neurological actions. Trends in Food Science and Technology, 2020, 101, 17-27.	15.1	41
15	Silica-Lanthanum Oxide: Pioneer Composite of Rare-Earth Metal Oxide in Selective Phosphopeptides Enrichment. Analytical Chemistry, 2012, 84, 10180-10185.	6.5	40
16	Glycosylated Alpha-1-acid glycoprotein 1 as a potential lung cancer serum biomarker. International Journal of Biochemistry and Cell Biology, 2016, 70, 68-75.	2.8	39
17	Impact of wastewater cultivation on pollutant removal, biomass production, metabolite biosynthesis, and carbon dioxide fixation of newly isolated cyanobacteria in a multiproduct biorefinery paradigm. Bioresource Technology, 2021, 333, 125194.	9.6	39
18	Rapid identification of lichen compounds based on the structure-fragmentation relationship using ESI-MS/MS analysis. Analytical Methods, 2015, 7, 6066-6076.	2.7	34

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37	Exploring natural products-based cancer therapeutics derived from egyptian flora. Journal of Ethnopharmacology, 2021, 269, 113626.	4.1	23
38	Ceria-based nanocomposites for the enrichment and identification of phosphopeptides. Analyst, The, 2013, 138, 5059.	3.5	22
39	Metabolite profiling of human plasma by different extraction methods through gas chromatography–mass spectrometry–An objective comparison. Analytica Chimica Acta, 2013, 804, 180-189.	5.4	22
40	Hautriwaic acid as one of the hepatoprotective constituent of Dodonaea viscosa. Phytomedicine, 2014, 21, 131-140.	5.3	22
41	HPLC determination of gamma amino butyric acid (GABA) and some biogenic amines (BAs) in controlled, germinated, and fermented brown rice by pre-column derivatization. Journal of Cereal Science, 2015, 64, 56-62.	3.7	21
42	Solid-Phase Total Synthesis of Cyclic Decapeptide Phakellistatin 12. Journal of Natural Products, 2008, 71, 1059-1062.	3.0	20
43	Stress degradation studies and development of stability-indicating TLC-densitometry method for determination of prednisolone acetate and chloramphenicol in their individual and combined pharmaceutical formulations. Chemistry Central Journal, 2012, 6, 7.	2.6	20
44	Vortex-assisted ionic liquid-based dispersive liquid–liquid microextraction for assessment of chromium species in artificial saliva extract of different chewing tobacco products. Environmental Science and Pollution Research, 2016, 23, 25288-25298.	5.3	20
45	Synthesis and meticulous molecular, morphological and thermal characterization of linear and star-shaped polycaprolactones. RSC Advances, 2016, 6, 98117-98127.	3.6	20
46	Metabolite distribution and correlation studies of Ziziphus jujuba and Ziziphus nummularia using LC-ESI-MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2020, 178, 112918.	2.8	20
47	A high-throughput method for dereplication and assessment of metabolite distribution in Salvia species using LC-MS/MS. Journal of Advanced Research, 2020, 24, 79-90.	9.5	20
48	Microbial Transformation of (+)-Adrenosterone. Natural Product Research, 2002, 16, 345-349.	0.4	19
49	Effective separation and analysis of E- and Z-guggulsterones in Commiphora mukul resin, guggulipid and their pharmaceutical product by high performance thin-layer chromatography-densitometric method. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 240-245.	2.8	19
50	Solid-Phase Total Synthesis of Cherimolacyclopeptide E and Discovery of More Potent Analogues by Alanine Screening. Journal of Natural Products, 2012, 75, 1882-1887.	3.0	19
51	Development of diamond-lanthanide metal oxide affinity composites for the selective capture of endogenous serum phosphopeptides. Analytical and Bioanalytical Chemistry, 2016, 408, 1633-1641.	3.7	19
52	Metabolite Profiling and Quantitation of Cucurbitacins in Cucurbitaceae Plants by Liquid Chromatography coupled to Tandem Mass Spectrometry. Scientific Reports, 2019, 9, 15992.	3.3	19
53	Biotransformation of (âˆ²)-Ambrox by Cell Suspension Cultures of Actinidiadeliciosa. Journal of Natural Products, 2006, 69, 957-959.	3.0	18
54	Sensitive quantification of six steroidal lactones in Withania coagulans extract by UHPLC electrospray tandem mass spectrometry. Steroids, 2015, 104, 176-181.	1.8	18

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55	Metabolite Profiling of Preneoplastic and Neoplastic Lesions of Oral Cavity Tissue Samples Revealed a Biomarker Pattern. <i>Scientific Reports</i> , 2016, 6, 38985.	3.3	18
56	Evaluation of antidiabetic potential of steroidal alkaloid of <i>Sarcococca saligna</i> . <i>Biomedicine and Pharmacotherapy</i> , 2018, 100, 461-466.	5.6	18
57	Quantification of aroma constituents of mango sap from different Pakistan mango cultivars using gas chromatography triple quadrupole mass spectrometry. <i>Food Chemistry</i> , 2016, 196, 1355-1360.	8.2	17
58	Poly(propylene glycol) stabilized gold nanoparticles: An efficient colorimetric assay for ceftriaxone. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 87, 180-186.	5.8	17
59	Microbial transformation of ( $\hat{\alpha}$ )-isolongifolol and butyrylcholinesterase inhibitory activity of transformed products. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 1939-1944.	3.0	16
60	Biotransformation of clerodane diterpenoids by <i>Rhizopus stolonifer</i> and antibacterial activity of resulting metabolites. <i>Phytochemistry</i> , 2013, 90, 56-61.	2.9	16
61	Photodegradation of Moxifloxacin in Aqueous and Organic Solvents: A Kinetic Study. <i>AAPS PharmSciTech</i> , 2014, 15, 1588-1597.	3.3	16
62	Hydroxyurea Treated $\hat{1}$ 2-Thalassemia Children Demonstrate a Shift in Metabolism Towards Healthy Pattern. <i>Scientific Reports</i> , 2018, 8, 15152.	3.3	16
63	Combining untargeted and targeted metabolomics approaches for the standardization of polyherbal formulations through UPLC-MS/MS. <i>Metabolomics</i> , 2019, 15, 116.	3.0	16
64	Selective extraction of heavy metals (Fe, Co, Ni) from their aqueous mixtures by Task-Specific salicylate functionalized imidazolium based ionic liquid. <i>Journal of Cleaner Production</i> , 2022, 344, 131119.	9.3	16
65	Rapid characterization and identification of steroidal alkaloids in <i>Sarcococca coriacea</i> using liquid chromatography coupled with electrospray ionization quadrupole time-of-flight mass spectrometry. <i>Steroids</i> , 2012, 77, 138-148.	1.8	15
66	Selective C-Arylation of 2,5-Dibromo-3-hexylthiophene via Suzuki Cross Coupling Reaction and Their Pharmacological Aspects. <i>Molecules</i> , 2015, 20, 5202-5214.	3.8	15
67	Alteration of Serum Free Fatty Acids are Indicators for Progression of Pre-leukaemia Diseases to Leukaemia. <i>Scientific Reports</i> , 2018, 8, 14883.	3.3	15
68	Chromatographic characterization of amphiphilic di- and tri-block copolymers of poly(ethylene oxide) and poly( $\hat{\mu}$ -caprolactone). <i>Journal of Separation Science</i> , 2018, 41, 3352-3359.	2.5	15
69	A comparative metabolomic study on desi and kabuli chickpea ( <i>Cicer arietinum</i> L.) genotypes under rainfed and irrigated field conditions. <i>Scientific Reports</i> , 2020, 10, 13919.	3.3	15
70	Untargeted-metabolomics differentiation between poultry samples slaughtered with and without detaching spinal cord. <i>Arabian Journal of Chemistry</i> , 2020, 13, 9081-9089.	4.9	15
71	Microbial transformation of 5 $\hat{1}$ -hydroxycaryophylla-4(12), 8(13)-diene with <i>Macrophomina phaseolina</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 66, 156-160.	1.8	14
72	Structure-fragmentation relationship and rapid dereplication of <i>Buxus</i> steroidal alkaloids by electrospray ionization-quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 169-178.	1.5	14

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73	Tandem mass spectrometry approach for the investigation of the steroidal metabolism: Structure-fragmentation relationship (SFR) in anabolic steroids and their metabolites by ESI-MS/MS analysis. <i>Steroids</i> , 2013, 78, 171-181.	1.8	14
74	A comparative profiling of oral cancer patients and high risk niswar users using FT-IR and chemometric analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 177-184.	3.9	14
75	Untargeted metabolomic analysis of coronary artery disease patients with diastolic dysfunction show disturbed oxidative pathway. <i>Metabolomics</i> , 2019, 15, 98.	3.0	14
76	Analysis of individual block length of amphiphilic di- & tri-block copolymers containing poly(ethylene oxide) and poly(methyl methacrylate). <i>RSC Advances</i> , 2017, 7, 41693-41704.	3.6	13
77	Rapid identification and quantification of bioactive metabolites in processed <i>Camellia sinensis</i> samples by UHPLC-ESI-MS/MS and evaluation of their antioxidant activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 90, 419-426.	5.8	13
78	Microbial Transformation of Mestranol by <i>Cunninghamella elegans</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2005, 53, 1011-1013.	1.3	12
79	Characterization of Polystyrene- <i>block</i> -Poly(2-vinyl pyridine) Copolymers and Blends of Their Homopolymers by Liquid Chromatography at Critical Conditions. <i>Macromolecules</i> , 2019, 52, 7688-7695.	4.8	12
80	Fungal Transformation of Dydrogesterone and Inhibitory Effect of Its Metabolites on the Respiratory Burst in Human Neutrophils. <i>Chemistry and Biodiversity</i> , 2008, 5, 324-331.	2.1	11
81	Comparison of plasma from healthy nonsmokers, smokers, and lung cancer patients: Pattern-based differentiation profiling of low molecular weight proteins and peptides by magnetic bead technology with MALDI-TOF MS. <i>Biomarkers</i> , 2012, 17, 223-230.	1.9	11
82	Electrospray tandem mass spectrometric analysis of a dimeric conjugate, salviaeriafone and related compounds. <i>Chemistry Central Journal</i> , 2012, 6, 120.	2.6	11
83	Sensitive analysis of bioactive secondary metabolites in lichen species using liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 146, 279-284.	2.8	11
84	Cinchona alkaloids as natural fetal hemoglobin inducing agents in human erythroleukemia cells. <i>RSC Advances</i> , 2019, 9, 17551-17559.	3.6	11
85	Chemical fingerprinting of three <i>Anemone</i> species and an adulteration study to detect cross mixing of medicinal plants by HPLC-HR-ESI-MS/MS method. <i>Journal of King Saud University - Science</i> , 2021, 33, 101461.	3.5	11
86	Hydroxylation of the sesterterpene leucosceptrine by the fungus <i>Rhizopus stolonifer</i> . <i>Phytochemistry</i> , 2006, 67, 439-443.	2.9	10
87	Three New Cycloartane Triterpenoids from <i>Astragalus bicuspis</i> . <i>Planta Medica</i> , 2011, 77, 1829-1834.	1.3	10
88	<sup>1</sup> H-NMR fingerprinting of brown rice syrup as a common adulterant in honey. <i>Analytical Methods</i> , 2016, 8, 6444-6451.	2.7	10
89	Synthesis and Characterization of Novel Biodegradable Di- and Tri-Block Copolymers Based on Ethylene Carbonate Polymer as Hydrophobic Segment. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1887-1893.	2.3	10
90	Newly designed pyridine and piperidine based Ionic Liquids: Aggregation behavior in ESI-MS and catalytic activity in C C bond formation reactions. <i>Journal of Molecular Liquids</i> , 2018, 272, 84-91.	4.9	10

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91	Assessment of heavy metals in calcium carbide treated mangoes by inductively coupled plasma-mass spectrometry (ICP-MS). Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2019, 36, 1769-1776.	2.3	10
92	Evaluation of cytotoxicity of areca nut and its commercial products on normal human gingival fibroblast and oral squamous cell carcinoma cell lines. Journal of Hazardous Materials, 2021, 403, 123872.	12.4	10
93	Rapid Identification of Common Secondary Metabolites of Medicinal Herbs Using High-Performance Liquid Chromatography with Evaporative Light Scattering Detector in Extracts. Metabolites, 2021, 11, 489.	2.9	10
94	Biotransformation of an antimalarial drug, artemether by plant and fungal cell cultures. Journal of Molecular Catalysis B: Enzymatic, 2012, 82, 80-85.	1.8	9
95	Effective separation and simultaneous analysis of anabolic androgenic steroids (AAS) in their pharmaceutical formulations by a validated TLC-densitometry method. Chemistry Central Journal, 2012, 6, 54.	2.6	9
96	Quantification of FAMES in biodiesel blends of various sources by gas chromatography tandem mass spectrometry. Analytical Methods, 2015, 7, 3372-3378.	2.7	9
97	Immunosuppressive and hepatoprotective potential of <i>Sarcococca saligna</i> and its biomarker components. International Immunopharmacology, 2015, 28, 235-243.	3.8	9
98	Isolation and characterization of non-sulfated and sulfated triterpenoid saponins from <i>Fagonia indica</i> . Phytochemistry, 2017, 143, 151-159.	2.9	9
99	Facile liquid-phase deposition synthesis of titania-coated magnetic sporopollenin for the selective capture of phosphopeptides. Analytical and Bioanalytical Chemistry, 2019, 411, 3373-3382.	3.7	9
100	Tenofovir disoproxil fumarate induces fetal hemoglobin production in K562 cells and $\beta$ -YAC transgenic mice: A therapeutic approach for $\beta$ -globin induction. Experimental Cell Research, 2020, 394, 112168.	2.6	9
101	Adaptation mechanism of mango fruit ( <i>Mangifera indica</i> L. cv. Chaunsa White) to heat suggest modulation in several metabolic pathways. RSC Advances, 2020, 10, 35531-35544.	3.6	9
102	Phosphoproteomic strategies in cancer research: a minireview. Analyst, The, 2020, 145, 7125-7149.	3.5	9
103	Concurrent ring-opening and atom transfer radical polymerization for synthesis of block copolymers, and their comprehensive chromatographic characterization. European Polymer Journal, 2021, 142, 110161.	5.4	9
104	Characterization of a newly isolated cyanobacterium <i>Trichocoleus desertorum</i> BERC08 as a potential feedstock for the algal biorefinery. Biomass Conversion and Biorefinery, 2023, 13, 5283-5294.	4.6	9
105	Ionic liquids containing plant derived benzoate as anions, exhibiting supramolecular polymeric aggregation: Impact of the aggregation on organic catalysis in aqueous medium. Journal of Molecular Liquids, 2021, 336, 116329.	4.9	9
106	Acyclovir induces fetal hemoglobin via downregulation of $\beta$ -globin repressors, BCL11A and SOX6 trans-acting factors. Biochemical Pharmacology, 2021, 190, 114612.	4.4	9
107	Benzimidazole, coumrandione and flavone derivatives as alternate UV laser desorption ionization (LDI) matrices for peptides analysis. Chemistry Central Journal, 2013, 7, 77.	2.6	8
108	Plasma metabolite profiling and chemometric analyses of tobacco snuff dippers and patients with oral cancer: Relationship between metabolic signatures. Head and Neck, 2019, 41, 291-300.	2.0	8

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109	Detection of lard contamination in five different edible oils by FT-IR spectroscopy using a partial least squares calibration model. Turkish Journal of Chemistry, 2019, 43, 1098-1108.	1.2	8
110	Photolysis of carboxymethylflavin in aqueous and organic solvent: a kinetic study. RSC Advances, 2019, 9, 26559-26571.	3.6	8
111	Magnetite nanoparticles coated with chitosan and polyethylenimine as anion exchanger for sorptive enrichment of phosphopeptides. Mikrochimica Acta, 2019, 186, 852.	5.0	8
112	Metabolomics approach to understand the hepatitis C virus induced hepatocellular carcinoma using LC-ESI-MS/MS. Arabian Journal of Chemistry, 2021, 14, 102907.	4.9	8
113	Monoterpenes as therapeutic candidates to induce fetal hemoglobin synthesis and up-regulation of gamma-globin gene: An in vitro and in vivo investigation. European Journal of Pharmacology, 2021, 891, 173700.	3.5	8
114	Metabolites of the Fungistatic Agent 2 <sup>12</sup> -Methoxyclovan-9 <sup>1±</sup> -ol by Macrophomina phaseolina. Journal of Agricultural and Food Chemistry, 2011, 59, 3234-3238.	5.2	7
115	SCREENING OF <i>E</i> - AND <i>Z</i> -GUGGULSTERONES IN THE GUM-RESIN EXUDATES OF SOME COMMON PLANTS AND METHOD VALIDATION IN RAW, EXTRACTED, AND PHARMACEUTICAL FORMULATIONS OF COMMIPHORA MUKUL BY HPLC. Journal of Liquid Chromatography and Related Technologies, 2011, 34, 2103-2117.	1.0	7
116	Biotransformation of perfumery terpenoids, (â <sup>o</sup> )-ambrox <sup>Â</sup> by a fungal culture Macrophomina phaseolina and a plant cell suspension culture of Peganum harmala. Chemistry Central Journal, 2012, 6, 82.	2.6	7
117	Electrospray tandem mass spectrometric analysis of duboscic acid, exploring the structural features of a new class of triterpenoids, dubosane. International Journal of Mass Spectrometry, 2012, 310, 77-80.	1.5	7
118	Stress degradation studies and stability-indicating TLC-densitometric method of glycyrrhetic acid. Chemistry Central Journal, 2013, 7, 9.	2.6	7
119	A validated stability-indicating TLC-densitometric method for the determination of stanozolol in pharmaceutical formulations. Chemistry Central Journal, 2013, 7, 142.	2.6	7
120	CD5 molecule-like and transthyretin as putative biomarkers of chronic myeloid leukemia - an insight from the proteomic analysis of human plasma. Scientific Reports, 2017, 7, 40943.	3.3	7
121	Association of Cyclin Dependent Kinase 10 and Transcription Factor 2 during Human Corneal Epithelial Wound Healing in vitro model. Scientific Reports, 2019, 9, 11802.	3.3	7
122	Thiourea derivatives induce fetal hemoglobin production in-vitro: A new class of potential therapeutic agents for $\beta^2$ -thalassemia. European Journal of Pharmacology, 2019, 855, 285-293.	3.5	7
123	A simple and sensitive NGS-based method for pork detection in complex food samples. Arabian Journal of Chemistry, 2021, 14, 103124.	4.9	7
124	Sensitive determination of glycerol by derivatization using a HPLC-DAD method in biodiesel samples. Analytical Methods, 2015, 7, 7805-7810.	2.7	6
125	Polymeric hydrophilic interaction liquid chromatography coupled with Orbitrap mass spectrometry and chemometric analysis for untargeted metabolite profiling of natural rice variants. Journal of Cereal Science, 2017, 73, 165-173.	3.7	6
126	Soluble Production of Human Recombinant VEGF-A121 by Using SUMO Fusion Technology in Escherichia coli. Molecular Biotechnology, 2018, 60, 585-594.	2.4	6



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127	Reflection of treatment proficiency of hydroxyurea treated $\beta^2$ -thalassemia serum samples through nuclear magnetic resonance based metabonomics. <i>Scientific Reports</i> , 2019, 9, 2041.	3.3	6
128	Repurposing of pharmaceutical drugs by high-throughput approach for antihypertensive activity as inhibitors of angiotensin-converting enzyme (ACE) using HPLC-ESI-MS/MS method. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103279.	4.9	6
129	Structure-fragmentation study of pentacyclic triterpenoids using electrospray ionization quadrupole time-of-flight tandem mass spectrometry (ESI-QTOFMS/MS). <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9243.	1.5	6
130	Hydroxylation of (+)-menthol by <i>Macrophomina phaseolina</i> . <i>Biocatalysis and Biotransformation</i> , 2011, 29, 77-82.	2.0	5
131	Mass spectrometric identification, characterization and validation of the haptoglobin $\beta^2$ -chain protein as a lung cancer serum biomarker. <i>Molecular Medicine Reports</i> , 2015, 12, 3755-3762.	2.4	5
132	Quantification of steroidal alkaloids in <i>Buxus papillosa</i> using electrospray ionization liquid chromatography-triple quadrupole mass spectrometry. <i>Steroids</i> , 2015, 100, 5-10.	1.8	5
133	Poly(propylene ether carbonate)-Based Di- and Tri-Block Copolymers: Synthesis and Chromatographic Characterization. <i>Macromolecular Research</i> , 2019, 27, 911-918.	2.4	5
134	Cross-mixing study of a poisonous <i>Cestrum</i> species, <i>Cestrum diurnum</i> in herbal raw material by chemical fingerprinting using LC-ESI-QTOF-MS/MS. <i>Arabian Journal of Chemistry</i> , 2020, 13, 7851-7859.	4.9	5
135	GC-MS Analysis and In Silico Approaches of <i>Indigofera heterantha</i> Root Oil Chemical Constituents. <i>Compounds</i> , 2021, 1, 116-124.	1.9	5
136	Cilostazol-mediated reversion of $\beta^3$ -globin silencing is associated with a high level of HbF production: A potential therapeutic candidate for $\beta^2$ -globin disorders. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112058.	5.6	5
137	Madecassic Acid Reduces Fast Transient Potassium Channels and Promotes Neurite Elongation in Hippocampal CA1 Neurons. <i>CNS and Neurological Disorders - Drug Targets</i> , 2020, 19, 12-26.	1.4	5
138	Untargeted metabolomics of the alkaliphilic cyanobacterium <i>Plectonema terebrans</i> elucidated novel stress-responsive metabolic modulations. <i>Journal of Proteomics</i> , 2022, 252, 104447.	2.4	5
139	Biotransformation of 5 $\beta$ -hydroxycaryophylla-4(12),8(13)-diene with <i>Cunninghamella elegans</i> and <i>Rhizopus stolonifer</i> . <i>Biocatalysis and Biotransformation</i> , 2011, 29, 141-146.	2.0	4
140	Validated TLC-densitometry method for the simultaneous analysis of pyrethroid insecticides in agricultural and domestic products. <i>Chemistry Central Journal</i> , 2012, 6, 93.	2.6	4
141	Biotransformation of mestanolone and 17-methyl-1-testosterone by <i>Rhizopus stolonifer</i> . <i>Biocatalysis and Biotransformation</i> , 2013, 31, 153-159.	2.0	4
142	Direct infusion ESI-MS analysis for metabolite profiling of human plasma using various fractionation techniques. <i>Bioanalysis</i> , 2014, 6, 2057-2070.	1.5	4
143	New immunomodulatory steroidal alkaloids from <i>Sarcococa saligna</i> . <i>Phytochemistry Letters</i> , 2015, 14, 203-208.	1.2	4
144	Screening of inhibitors of angiotensin-converting enzyme (ACE) employing high performance liquid chromatography-electrospray ionization triple quadrupole mass spectrometry (HPLC-ESI-QqQ-MS). <i>European Journal of Pharmaceutical Sciences</i> , 2017, 101, 182-188.	4.0	4

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145	5D proteomic approach for the biomarker search in plasma: Acute myeloid leukaemia as a case study. <i>Scientific Reports</i> , 2017, 7, 16440.	3.3	4
146	Stability-Indicating TLC-Densitometric Assay for Methyltestosterone and Quantum Chemical Calculations. <i>Journal of Chromatographic Science</i> , 2017, 55, 954-960.	1.4	4
147	Impact of hydroxyurea therapy on serum fatty acids of $\beta^2$ -thalassemia patients. <i>Metabolomics</i> , 2018, 14, 27.	3.0	4
148	Two-stage mass spectrometry approach for the analysis of triterpenoid glycosides in <i>Fagonia indica</i> . <i>RSC Advances</i> , 2018, 8, 41023-41031.	3.6	4
149	Sensitive quantification of coixol, a potent insulin secretagogue, in <i>Scoparia dulcis</i> extract using high performance liquid chromatography combined with tandem mass spectrometry and UV detection. <i>Biomedical Chromatography</i> , 2017, 31, e3964.	1.7	3
150	Profiling of hydroxyurea-treated $\beta^2$ -thalassemia/ serum proteome through nano-LC-ESI-MS/MS in combination with microscale isoelectric focusing. <i>Biomedical Chromatography</i> , 2020, 34, e4753.	1.7	3
151	Understanding of metals dysregulation in patients with systolic and diastolic dysfunction in ischemic heart disease. <i>Scientific Reports</i> , 2020, 10, 13948.	3.3	3
152	Metaproteomics reveals the structural and functional diversity of <i>Dermatocarpon miniatum</i> (L.) W. Mann. <i>Microbiota. Fungal Biology</i> , 2021, 125, 32-38.	2.5	3
153	Flow Injection-High Resolution-Electrospray Ionization-Mass Spectrometry (FI-HR-ESI-MS) Method for the Screening of Antimicrobial Pharmaceutical Drugs and Compounds against <i>Klebsiella pneumoniae</i> . <i>European Journal of Pharmaceutical Sciences</i> , 2021, 157, 105633.	4.0	3
154	Pericardial fluid proteomic label-free quantification of differentially expressed proteins in ischemic heart disease patients with systolic dysfunction by nano-LC-ESI-MS/MS analysis. <i>RSC Advances</i> , 2021, 11, 320-327.	3.6	3
155	High-Throughput Detection of an Alkaloidal Plant Metabolome in Plant Extracts Using LC-ESI-QTOF-MS. <i>Journal of Proteome Research</i> , 2021, 20, 3826-3839.	3.7	3
156	Probing of Metabolites in Finely Powdered Plant Material by Direct Laser Desorption Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 530-537.	2.8	2
157	Metallomic profiling to evaluate the response to drug treatment: hydroxyurea as a case study in $\beta^2$ -thalassemia patients. <i>RSC Advances</i> , 2017, 7, 23882-23889.	3.6	2
158	Serum amyloid A1 and plasminogen as predatory proteins to monitor the progression of preleukemic diseases towards acute lymphoblastic leukaemia. <i>RSC Advances</i> , 2017, 7, 29218-29226.	3.6	2
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