Rui Liu

List of Publications by Year in descending order

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117	2,728 citations	218381	223531
papers	citations	h-index	g-index
128	128	128	3358
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Overview on Biological Activities and Molecular Characteristics of Sulfated Polysaccharides from Marine Green Algae in Recent Years. Marine Drugs, 2014, 12, 4984-5020.	2.2	205
2	Tissue Immune Cells Fuel Obesity-Associated Inflammation in Adipose Tissue and Beyond. Frontiers in Immunology, 2019, 10, 1587.	2.2	197
3	Electric-double-layer transistors for synaptic devices and neuromorphic systems. Journal of Materials Chemistry C, 2018, 6, 5336-5352.	2.7	170
4	Spatiotemporal Information Processing Emulated by Multiterminal Neuroâ€Transistor Networks. Advanced Materials, 2019, 31, e1900903.	11.1	151
5	Discovery of Food-Derived Dipeptidyl Peptidase IV Inhibitory Peptides: A Review. International Journal of Molecular Sciences, 2019, 20, 463.	1.8	99
6	Purification and identification of three novel antioxidant peptides from Cornu Bubali (water buffalo) Tj ETQq0 0	0 rgBT /Ο\	verlock 10 Tf 5
7	Rapid identification of bioactive peptides with antioxidant activity from the enzymatic hydrolysate of Mactra veneriformis by UHPLC–Q-TOF mass spectrometry. Food Chemistry, 2015, 167, 484-489.	4.2	66
8	Typical antimicrobials induce mast cell degranulation and anaphylactoid reactions via MRGPRX2 and its murine homologue MRGPRB2. European Journal of Immunology, 2017, 47, 1949-1958.	1.6	62
9	Molecular-Targeted Antitumor Agents. 15. Neolamellarins from the Marine Sponge <i>Dendrilla nigra</i> Inhibit Hypoxia-Inducible Factor-1 Activation and Secreted Vascular Endothelial Growth Factor Production in Breast Tumor Cells. Journal of Natural Products, 2007, 70, 1741-1745.	1.5	59
10	Saikosaponin A inhibits compound 48/80-induced pseudo-allergy via the Mrgprx2 pathway in vitro and in vivo. Biochemical Pharmacology, 2018, 148, 147-154.	2.0	56
11	Comparative Evaluation of the Radical-Scavenging Activities of Fucoxanthin and Its Stereoisomers. Molecules, 2014, 19, 2100-2113.	1.7	50
12	Mivacurium induce mast cell activation and pseudo-allergic reactions via MAS-related G protein coupled receptor-X2. Cellular Immunology, 2018, 332, 121-128.	1.4	48
13	Recent Progress on Emerging Transistorâ€Based Neuromorphic Devices. Advanced Intelligent Systems, 2021, 3, 2000210.	3.3	47
14	Mast cell-mediated hypersensitivity to fluoroquinolone is MRGPRX2 dependent. International Immunopharmacology, 2019, 70, 417-427.	1.7	46
15	Chloroquine and hydroxychloroquine as ACE2 blockers to inhibit viropexis of 2019-nCoV Spike pseudotyped virus. Phytomedicine, 2020, 79, 153333.	2.3	46
16	Quercetin as a Lyn kinase inhibitor inhibits IgE-mediated allergic conjunctivitis. Food and Chemical Toxicology, 2020, 135, 110924.	1.8	45
17	Isolation and structural elucidation of novel homogenous polysaccharide from Mactra veneriformis. Carbohydrate Polymers, 2011, 86, 982-987.	5.1	43
18	Rapid Identification of Dipeptidyl Peptidase-IV (DPP-IV) Inhibitory Peptides from Ruditapes philippinarum Hydrolysate. Molecules, 2017, 22, 1714.	1.7	39

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19	Advances in cell membrane chromatography. Journal of Chromatography A, 2021, 1639, 461916.	1.8	39
20	Use of the relative release index for histamine in LAD2 cells to evaluate the potential anaphylactoid effects of drugs. Scientific Reports, 2017, 7, 13714.	1.6	37
21	Efficient Synthesis of 1â€Arylâ€1Hâ€indazole Derivatives via Copper(I)â€Catalyzed Intramolecular Amination Reaction. Synthetic Communications, 2008, 38, 249-254.	1.1	32
22	Simultaneous Determination of Fucoxanthin and Its Deacetylated Metabolite Fucoxanthinol in Rat Plasma by Liquid Chromatography-Tandem Mass Spectrometry. Marine Drugs, 2015, 13, 6521-6536.	2.2	31
23	Oroxylin A is a severe acute respiratory syndrome coronavirus 2â€spiked pseudotyped virus blocker obtained from Radix Scutellariae using angiotensinâ€converting enzyme <scp>II</scp> /cell membrane chromatography. Phytotherapy Research, 2021, 35, 3194-3204.	2.8	31
24	Characterization of ACE Inhibitory Peptides from Mactra veneriformis Hydrolysate by Nano-Liquid Chromatography Electrospray Ionization Mass Spectrometry (Nano-LC-ESI-MS) and Molecular Docking. Marine Drugs, 2014, 12, 3917-3928.	2.2	30
25	A strategy for identifying species-specific peptide biomarkers in deer-hide gelatin using untargeted and targeted mass spectrometry approaches. Analytica Chimica Acta, 2019, 1092, 32-41.	2.6	30
26	Characterisation of nucleosides and nucleobases in Mactra veneriformis by high performance liquid chromatography coupled with diode array detector-mass spectrometry (HPLC–DAD–MS). Food Chemistry, 2012, 135, 548-554.	4.2	29
27	Nanoparticle Delivery of Artesunate Enhances the Anti-tumor Efficiency by Activating Mitochondria-Mediated Cell Apoptosis. Nanoscale Research Letters, 2017, 12, 403.	3.1	27
28	Processing Optimization and Characterization of Angiotensin-Ι-Converting Enzyme Inhibitory Peptides from Lizardfish (Synodus macrops) Scale Gelatin. Marine Drugs, 2018, 16, 228.	2.2	27
29	Indium–Gallium–Zinc–Oxide Schottky Synaptic Transistors for Silent Synapse Conversion Emulation. IEEE Electron Device Letters, 2019, 40, 139-142.	2.2	27
30	Paeoniflorin inhibits MRGPRX2â€mediated pseudoâ€allergic reaction via calcium signaling pathway. Phytotherapy Research, 2020, 34, 401-408.	2.8	27
31	Antipyretic and Antioxidant Activities of the Aqueous Extract of <i>Cornu Bubali</i> /i> (Water Buffalo) Tj ETQq1 1 C).784314 1.5	rgBT /Overlo
32	Sinomenine potentiates P815 cell degranulation via upregulation of Ca ²⁺ mobilization through the Lyn/PLCî³/IP3R pathway. International Journal of Immunopathology and Pharmacology, 2016, 29, 676-683.	1.0	26
33	A Mast Cell–Specific Receptor Is Critical for Granuloma Induced by Intrathecal Morphine Infusion. Journal of Immunology, 2019, 203, 1701-1714.	0.4	26
34	Low-Voltage Oxide-Based Synaptic Transistors for Spiking Humidity Detection. IEEE Electron Device Letters, 2019, 40, 459-462.	2.2	26
35	Eupolyphaga sinensis Walker displays inhibition on hepatocellular carcinoma through regulating cell growth and metastasis signaling. Scientific Reports, 2014, 4, 5518.	1.6	24
36	Neohesperidin suppresses IgEâ€mediated anaphylactic reactions and mast cell activation via Lynâ€PLCâ€Ca 2+ pathway. Phytotherapy Research, 2019, 33, 2034-2043.	2.8	23

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37	Identification and release kinetics of peptides from tilapia skin collagen during alcalase hydrolysis. Food Chemistry, 2022, 378, 132089.	4.2	22
38	Nanosecond photochemically promoted click chemistry for enhanced neuropeptide visualization and rapid protein labeling. Nature Communications, 2019, 10, 4697.	5.8	21
39	Peperomin <scp>E</scp> reactivates silenced tumor suppressor genes in lung cancer cells by inhibition of <scp>DNA</scp> methyltransferase. Cancer Science, 2016, 107, 1506-1519.	1.7	20
40	Polymyxin B and polymyxin E induce anaphylactoid response through mediation of Mas-related G protein–coupled receptor X2. Chemico-Biological Interactions, 2019, 308, 304-311.	1.7	20
41	Proteolysis of tilapia skin collagen: Identification and release behavior of ACE-inhibitory peptides. LWT - Food Science and Technology, 2021, 139, 110502.	2.5	20
42	Extracts of centipede Scolopendra subspinipes mutilans induce cell cycle arrest and apoptosis in A375 human melanoma cells. Oncology Letters, 2014, 8, 414-420.	0.8	19
43	A Novel Antithrombotic Protease from Marine Worm Sipunculus Nudus. International Journal of Molecular Sciences, 2018, 19, 3023.	1.8	19
44	Freestanding Dual-Gate Oxide-Based Neuromorphic Transistors for Flexible Artificial Nociceptors. IEEE Transactions on Electron Devices, 2021, 68, 415-420.	1.6	18
45	Imiquimod-related dermatitis is mainly mediated by mast cell degranulation via Mas-related G-protein coupled receptor B2. International Immunopharmacology, 2020, 81, 106258.	1.7	17
46	Analysis of active components of rhinoceros, water buffalo and yak horns using twoâ€dimensional electrophoresis and ethnopharmacological evaluation. Journal of Separation Science, 2011, 34, 354-362.	1.3	16
47	Metabolomics of the Antipyretic Effects of Bubali Cornu (Water Buffalo Horn) in Rats. PLoS ONE, 2016, 11, e0158478.	1.1	16
48	A mast-cell-specific receptor mediates lopamidol induced immediate IgE-independent anaphylactoid reactions. International Immunopharmacology, 2019, 75, 105800.	1.7	16
49	\hat{l}_{\pm} -Linolenic acid attenuates pseudo-allergic reactions by inhibiting Lyn kinase activity. Phytomedicine, 2021, 80, 153391.	2.3	16
50	Inhibition of Lysozyme Amyloid Fibrillation by Silybin Diastereoisomers: The Effects of Stereochemistry. ACS Omega, 2021, 6, 3307-3318.	1.6	16
51	The anti-anaphylactoid effects of hydroxysafflor yellow A on the suppression of mast cell Ca2+ influx and degranulation. Phytomedicine, 2018, 48, 43-50.	2.3	15
52	Dehydroandrographolide inhibits IgE-mediated anaphylactic reactions via calcium signaling pathway. Toxicology and Applied Pharmacology, 2019, 366, 46-53.	1.3	15
53	Flexible Oxide-Based Schottky Neuromorphic TFTs With Configurable Spiking Dynamic Functions. IEEE Transactions on Electron Devices, 2020, 67, 5216-5220.	1.6	14
54	The antiâ€anaphylactoid effects of Piperine through regulating MASâ€related G proteinâ€coupled receptor X2 activation. Phytotherapy Research, 2020, 34, 1409-1420.	2.8	14

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55	Eupolyphaga sinensis Walker demonstrates angiogenic activity and inhibits A549 cell growth by targeting the KDR signaling pathway. Molecular Medicine Reports, 2014, 10, 1590-1596.	1.1	13
56	Effect of drying methods on the free and conjugated bufadienolide content in toad venom determined by ultra-performance liquid chromatography-triple quadrupole mass spectrometry coupled with a pattern recognition approach. Journal of Pharmaceutical and Biomedical Analysis, 2015, 114, 482-487.	1.4	13
57	Preparation, analysis and antioxidant evaluation of the controlled product of polysaccharide from Mactra veneriformis by mild acid hydrolysis. Carbohydrate Polymers, 2016, 137, 709-718.	5.1	13
58	A novel hydrolytic product from flesh of Mactra veneriformis and its bioactivities in calcium supplement. Journal of Ocean University of China, 2012, 11, 389-396.	0.6	12
59	Occurrence and Seasonal Variations of Lipophilic Marine Toxins in Commercial Clam Species along the Coast of Jiangsu, China. Toxins, 2016, 8, 8.	1.5	12
60	The natural secolignan peperomin E induces apoptosis of human gastric carcinoma cells via the mitochondrial and PI3K/Akt signaling pathways in vitro and in vivo. Phytomedicine, 2016, 23, 818-827.	2.3	12
61	Thimerosal induces skin pseudo-allergic reaction via Mas-related G-protein coupled receptor B2. Journal of Dermatological Science, 2019, 95, 99-106.	1.0	12
62	A quantitative strategy of ultrasound-assisted digestion combined UPLC-MS/MS for rapid identifying species-specific peptide markers in the application of food gelatin authentication. LWT - Food Science and Technology, 2021, 147, 111590.	2.5	12
63	Discovery of peptide biomarkers by label-free peptidomics for discrimination of horn gelatin and hide gelatin from Cervus nippon Temminck. Food Chemistry, 2021, 363, 130347.	4.2	12
64	Peptidome characterization of the antipyretic fraction of <i>Bubali Cornu</i> aqueous extract by nano liquid chromatography with orbitrap mass spectrometry detection. Journal of Separation Science, 2017, 40, 587-595.	1.3	11
65	Integrated Label-Free and 10-Plex DiLeu Isobaric Tag Quantitative Methods for Profiling Changes in the Mouse Hypothalamic Neuropeptidome and Proteome: Assessment of the Impact of the Gut Microbiome. Analytical Chemistry, 2020, 92, 14021-14030.	3.2	11
66	Available sustainable alternatives replace endangered animal horn based on their proteomic analysis and bio-effect evaluation. Scientific Reports, 2016, 6, 36027.	1.6	10
67	Novel computer-assisted separation prediction strategy for online-enrichment-HPLC-FLD in simultaneous monitoring of bisphenols in children's water bottles. Food Chemistry, 2021, 339, 127766.	4.2	10
68	Facile Fabrication of MnO2/Graphene/Ni Foam Composites for High-Performance Supercapacitors. Nanomaterials, 2021, 11, 2736.	1.9	10
69	A novel compound T7 (N-{4′-[(1E)-N-hydroxyethanimidoyl]-3′,5,6-trimethoxybiphenyl-3-yl}-N′-[4-(3-morpholin-4-ylpropoxy)phen screened by tissue angiogenesis model and its activity evaluation on anti-angiogenesis. Phytomedicine, 2014. 21. 1675-1683.	nyl]yrea)	9
70	Simultaneous determination of five bioactive secolignans in rat plasma by LC–MS/MS for pharmacokinetic studies following oral administration of Peperomia dindygulensis Miq. extract. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 944, 82-89.	1.2	9
71	Relationship between MRGPRX2 and pethidine hydrochloride- or fentanyl citrate-induced LAD2 cell degranulation. Journal of Pharmacy and Pharmacology, 2018, 70, 1596-1605.	1.2	9
72	Interactions between histamine H1 receptor and its antagonists by using cell membrane chromatography method. Journal of Pharmacy and Pharmacology, 2015, 67, 1567-1574.	1.2	8

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73	Characterization of Collagen Peptides in Elaphuri Davidiani Cornu Aqueous Extract with Proliferative Activity on Osteoblasts Using Nano-Liquid Chromatography in Tandem with Orbitrap Mass Spectrometry. Molecules, 2017, 22, 166.	1.7	8
74	Renoprotective Effect of the Recombinant Anti-IL-6R Fusion Proteins by Inhibiting JAK2/STAT3 Signaling Pathway in Diabetic Nephropathy. Frontiers in Pharmacology, 2021, 12, 681424.	1.6	8
75	Chitosan-Based Electrolyte Gated Low Voltage Oxide Transistor With a Coplanar Modulatory Terminal. IEEE Electron Device Letters, 2017, 38, 322-325.	2.2	8
76	Comparative transcriptome analyses of different <i>Salvia miltiorrhiza</i> varieties during the accumulation of tanshinones. PeerJ, 2021, 9, e12300.	0.9	8
77	Qualitative and quantitative analyses of bioactive secolignans from folk medicinal plant Peperomia dindygulensis using UHPLC-UV/Q-TOF-MS. Journal of Pharmaceutical and Biomedical Analysis, 2014, 94, 1-11.	1.4	7
78	Rapid Determination of Free Amino Acids, Nucleosides, and Nucleobases in Commercial Clam Species Harvested at Different Seasons in Jiangsu, China, Using UFLC-MS/MS. Food Analytical Methods, 2016, 9, 1520-1531.	1.3	7
79	Dihydroberberine exhibits synergistic effects with sunitinib on NSCLC NCIâ∈H460 cells by repressing MAP kinase pathways and inflammatory mediators. Journal of Cellular and Molecular Medicine, 2017, 21, 2573-2585.	1.6	7
80	DEVELOPMENT OF A FINGERPRINT METHOD FOR ANIMAL HORN CLASSIFICATION BY LIQUID CHROMATOGRAPHY COUPLED WITH HIERARCHICAL CLUSTERING ANALYSIS. Journal of Liquid Chromatography and Related Technologies, 2012, 35, 205-214.	0.5	6
81	<i>In Vivo</i> Antioxidant Effects of Hydrolysate Derived from Waste Proteins of <i>Mactra veneriformis</i> . Journal of Aquatic Food Product Technology, 2015, 24, 143-152.	0.6	6
82	Total saponins isolated from Radix et Rhizoma Leonticis suppresses tumor cells growth by regulation of PI3K/Akt/mTOR and p38 MAPK pathways. Environmental Toxicology and Pharmacology, 2016, 41, 39-44.	2.0	6
83	Collagen derived species-specific peptides for distinguishing donkey-hide gelatin (Asini Corii Colla). Chinese Herbal Medicines, 2021, 13, 261-266.	1.2	6
84	Synergistic Activity of the HSP90 Inhibitor Ganetespib With Lapatinib Reverses Acquired Lapatinib Resistance in HER2-Positive Breast Cancer Cells. Frontiers in Pharmacology, 2021, 12, 651516.	1.6	6
85	The recombinant anti-TNF- \hat{l} ± fusion protein ameliorates rheumatoid arthritis by the protective role of autophagy. Bioscience Reports, 2020, 40, .	1.1	6
86	Quantitative Detection of Donkey Hide Gelatin (Colla corii asini) Adulteration by Real-Time PCR on the Basis of Single-Copy Nuclear Genes. Journal of Food Protection, 2021, 84, 194-199.	0.8	6
87	Significance of U-Pb detrital zircon geochronology for mudstone provenance. Geology, 2022, 50, 670-675.	2.0	6
88	Hydrophilic Interaction Ultra-High Performance Liquid Chromatography Coupled with Triple-Quadrupole Mass Spectrometry for Determination of Nucleosides and Nucleobases in Animal Horns. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 1185-1193.	0.5	5
89	Analysis of Drug Interactions with Dopamine Receptor by Frontal Analysis and Cell Membrane Chromatography. Chromatographia, 2015, 78, 649-654.	0.7	5
90	A taspine derivative supresses Caco-2 cell growth by competitively targeting EphrinB2 and regulating its pathway. Oncology Reports, 2016, 36, 1526-1534.	1.2	5

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91	Comparison of the peptidome released from keratins in Saiga antelope horn and goat horn under simulated gastrointestinal digestion. Electrophoresis, 2019, 40, 2759-2766.	1.3	5
92	H1R mediates local anesthetic-induced vascular permeability in angioedema. Toxicology and Applied Pharmacology, 2020, 392, 114921.	1.3	5
93	Dictamnine is an effective antiâ€anaphylactoid compound acting via the <scp>MrgX2</scp> receptor located on mast cells. Phytotherapy Research, 2021, 35, 3181-3193.	2.8	5
94	DETERMINATION OF 5-HYDROXYINDOLE-3-ACETIC ACID, DIHYDROXYPHENYLACETIC ACID, AND HOMOVANILLIC ACID IN THE BRAINS OF FREELY MOVING RATS USING MICRODIALYSIS COUPLED WITH HPLC–ECD. Journal of Liquid Chromatography and Related Technologies, 2014, 37, 803-814.	0.5	4
95	Comparative proteomic analysis of plasma of children with congenital heart disease. Electrophoresis, 2019, 40, 1848-1854.	1.3	4
96	Response boosting-based approach for absolute quantification of gelatin peptides using LC-MS/MS. Food Chemistry, 2022, 390, 133111.	4.2	4
97	Antipyretic and anti-inflammatory activities of Thais luteostoma extracts and underlying mechanisms. Chinese Journal of Natural Medicines, 2015, 13, 192-198.	0.7	3
98	Determination of a natural DNMT1 inhibitor, peperomin E, in rat plasma by UFLCâ€MS/MS and method application in a pharmacokinetic study. Biomedical Chromatography, 2017, 31, e3930.	0.8	3
99	Characterization of angiotensin-D† converting enzyme inhibiting peptide from Venerupis philippinarum with nano-liquid chromatography in combination with orbitrap mass spectrum detection and molecular docking. Journal of Ocean University of China, 2017, 16, 473-478.	0.6	3
100	Further evidence for sustainable alternatives to replace threatened animal horn based on quantitative proteomic analysis. Electrophoresis, 2018, 39, 3185-3190.	1.3	3
101	Inhibitory effect of taspine derivative TAD1822-7 on tumor cell growth and angiogenesis <i>via</i> suppression of EphrinB2 and related signaling pathways. Acta Pharmaceutica, 2019, 69, 423-431.	0.9	3
102	Multi-year assessment of paralytic shellfish toxins in hard clam species along the coastline of Jiangsu Province, China. Acta Oceanologica Sinica, 2019, 38, 24-33.	0.4	3
103	A novel ELISA method to determine human MrgX2 in chronic urticaria. Clinical and Translational Allergy, 2020, 10, 61.	1.4	3
104	Characterization of interactions between local anesthetics and histamine H1 receptor by cell membrane chromatography model. Journal of Pharmaceutical and Biomedical Analysis, 2021, 196, 113911.	1.4	3
105	A Dual Target-Directed Single Domain-Based Fusion Protein Against Interleukin-6 Receptor Decelerate Experimental Arthritis Progression Via Modulating JNK Expression. Inflammation, 2021, 44, 1620-1628.	1.7	3
106	c-Myc plays a key role in TADs-induced apoptosis and cell cycle arrest in human hepatocellular carcinoma cells. American Journal of Cancer Research, 2015, 5, 1076-88.	1.4	3
107	The preparation and characterization of gas bubble containing liposomes. , 2005, 2005, 3998-4001.		2
108	Variability of organic carbon isotope and C/N in the Hemudu Area, Hangzhou Bay and its environmental implications in the Holocene. Geochemistry International, 2017, 55, 1154-1163.	0.2	2

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109	Harpagoside-induced anaphylactic reaction in an IgE-independent manner both <i>in vitro</i> and <i>in vivo</i> Immunopharmacology and Immunotoxicology, 2018, 40, 173-178.	1.1	2
110	Taspine derivative TAS9 regulates cell growth and metastasis of human hepatocellular carcinoma. Molecular Medicine Reports, 2015, 12, 7735-7741.	1.1	1
111	Novel taspine derivative 12k inhibits cell growth and induces apoptosis in lung cell carcinoma. Biomedicine and Pharmacotherapy, 2015, 70, 227-233.	2.5	1
112	Flexible ITO-Based TFTs on Paper Substrates. , 2018, , .		1
113	Synthetic Iowaite Can Effectively Remove Inorganic Arsenic from Marine Extract. Molecules, 2021, 26, 3052.	1.7	1
114	Efficient microwave-assisted extraction of salidroside from Rhodiola crenulata. SN Applied Sciences, 2021, 3, 1.	1.5	1
115	The Therapeutic Effect of an Anti-TNF- \hat{l}_{\pm} /HSA/IL-6R Triple-Specific Fusion Protein Under Experimental Septic Conditions. Inflammation, 2022, , 1.	1.7	1
116	The crystal structure of 2-chloro-4-(prop-2-yn-1-yloxy)-6-phenyl-1,3,5-triazine, C ₁₂ H ₈ ClN ₃ O. Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 701-702.	0.1	0
117	A strategy for the enrichment and characterization of disulfide bondâ€contained proteins from Chinese cobra (<i>Naja atra</i>) venom. Journal of Separation Science, 2022, 45, 812-823.	1.3	O