Judith M Rollinger

List of Publications by Year
in descending order

123	8,525	101543	48315
papers	citations	36 h-index	88 g-index

129	129	129	11048
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insights into the direct anti-influenza virus mode of action of Rhodiola rosea. Phytomedicine, 2022, 96, 153895.	5.3	9
2	Azepine-Indole Alkaloids From Psychotria nemorosa Modulate 5-HT2A Receptors and Prevent in vivo Protein Toxicity in Transgenic Caenorhabditis elegans. Frontiers in Neuroscience, 2022, 16, 826289.	2.8	2
3	Biochemometry-Based Discovery of Phenylpropanoids from Azadirachta indica Fruits as Inhibitors of In Vitro Osteoclast Formation. Molecules, 2022, 27, 3611.	3.8	0
4	High-performance Countercurrent Chromatography to Access Rhodiola rosea Influenza Virus Inhibiting Constituents. Planta Medica, 2021, 87, 818-826.	1.3	5
5	Rapid analytical approach for bioprofiling compounds with radical scavenging and antimicrobial activities from seaweeds. Food Chemistry, 2021, 334, 127562.	8.2	17
6	PPARÎ³ transcription effect on naturally occurring O-prenyl cinnamaldehydes and cinnamyl alcohol derivatives. Future Medicinal Chemistry, 2021, 13, 1175-1183.	2.3	3
7	Natural products in drug discovery: advances and opportunities. Nature Reviews Drug Discovery, 2021, 20, 200-216.	46.4	1,990
8	Workflow for Segmentation of Caenorhabditis elegans from Fluorescence Images for the Quantitation of Lipids. Applied Sciences (Switzerland), 2021, 11, 11420.	2.5	2
9	Pterocarpus santalinus Selectively Inhibits a Subset of Pro-Inflammatory Genes in Interleukin-1 Stimulated Endothelial Cells. Frontiers in Pharmacology, 2021, 12, 802153.	3.5	1
10	Natural products against acute respiratory infections: Strategies and lessons learned. Journal of Ethnopharmacology, 2020, 248, 112298.	4.1	32
11	Steroid sulfatase inhibiting lanostane triterpenes â€“ Structure activity relationship and in silico insights. Bioorganic Chemistry, 2020, 95, 103495.	4.1	11
12	A robust and miniaturized screening platform to study natural products affecting metabolism and survival in Caenorhabditis elegans. Scientific Reports, 2020, 10, 12323.	3.3	18
13	Peucedanum ostruthium Inhibits E-Selectin and VCAM-1 Expression in Endothelial Cells through Interference with NF-ÎºB Signaling. Biomolecules, 2020, 10, 1215.	4.0	10
14	A Biochemometric Approach for the Identification of In Vitro Anti-Inflammatory Constituents in Masterwort. Biomolecules, 2020, 10, 679.	4.0	16
15	Quantitative Analysis of Prenylated Constituents in Commercial Hops Samples Using Ultrahigh-Performance Supercritical Fluid Chromatography. Planta Medica, 2020, 86, 1140-1147.	1.3	5
16	Preparative supercritical fluid chromatography for lipid class fractionationâ€”a novel strategy in high-resolution mass spectrometry based lipidomics. Analytical and Bioanalytical Chemistry, 2020, 412, 2365-2374.	3.7	22
17	Lanostane Triterpenes from Gloeophyllum odoratum and Their Anti-Influenza Effects. Planta Medica, 2019, 85, 195-202.	1.3	9
18	Ginkgolic Acid is a Multi-Target Inhibitor of Key Enzymes in Pro-Inflammatory Lipid Mediator Biosynthesis. Frontiers in Pharmacology, 2019, 10, 797.	3.5	25

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19	1H NMR-MS-based heterocovariance as a drug discovery tool for fishing bioactive compounds out of a complex mixture of structural analogues. Scientific Reports, 2019, 9, 11113.	3.3	28
20	Black pepper dietary supplementation increases high-density lipoprotein (HDL) levels in pigs. Current Research in Biotechnology, 2019, 1, 28-33.	3.7	8
21	High-performance thin-layer chromatography/bioautography and liquid chromatography-mass spectrometry hyphenated with chemometrics for the quality assessment of Morus alba samples. Journal of Chromatography A, 2019, 1594, 190-198.	3.7	28
22	Editorial: Ethnopharmacology in Central and Eastern Europe in the Context of Global Research Developments. Frontiers in Pharmacology, 2019, 10, 341.	3.5	5
23	A Strength-Weaknesses-Opportunities-Threats (SWOT) Analysis of Cheminformatics in Natural Product Research. Progress in the Chemistry of Organic Natural Products, 2019, 110, 239-271.	1.1	3
24	Anti-Influenza Triterpene Saponins from the Bark of Burkea africana. Journal of Natural Products, 2018, 81, 515-523.	3.0	37
25	Discovery of Bioactive Natural Products for the Treatment of Acute Respiratory Infections â€“ An Integrated Approach. Planta Medica, 2018, 84, 684-695.	1.3	18
26	Virtual Screening for the Discovery of Active Principles from Natural Products. , 2018, , 333-364.		7
27	Biological Activity of Flavonoids and Rare Sesquiterpene Lactones Isolated From Centaurea ragusina L.. Frontiers in Pharmacology, 2018, 9, 972.	3.5	17
28	In Silico Workflow for the Discovery of Natural Products Activating the G Protein-Coupled Bile Acid Receptor 1. Frontiers in Chemistry, 2018, 6, 242.	3.6	16
29	Streptomyces spp. From Ethiopia Producing Antimicrobial Compounds: Characterization via Bioassays, Genome Analyses, and Mass Spectrometry. Frontiers in Microbiology, 2018, 9, 1270.	3.5	14
30	Natural products modulating the hERG channel: heartaches and hope. Natural Product Reports, 2017, 34, 957-980.	10.3	51
31	Fast and Green â€“ CO2 Based Extraction, Isolation, and Quantification of Phenolic Styrax Constituents. Planta Medica, 2017, 83, 1068-1075.	1.3	13
32	Special Issue Dedicated to Professor Dr. Max Wichtl. Planta Medica, 2017, 83, 1108-1109.	1.3	0
33	Special Issue Dedicated to Professor Dr. Max Wichtl. Planta Medica, 2017, 83, 960-961.	1.3	0
34	Allspice and Clove As Source of Triterpene Acids Activating the G Protein-Coupled Bile Acid Receptor TGR5. Frontiers in Pharmacology, 2017, 8, 468.	3.5	24
35	Discovery and Characterization of Diazenylaryl Sulfonic Acids as Inhibitors of Viral and Bacterial Neuraminidases. Frontiers in Microbiology, 2017, 8, 205.	3.5	13
36	Dual Acting Neuraminidase Inhibitors Open New Opportunities to Disrupt the Lethal Synergism between Streptococcus pneumoniae and Influenza Virus. Frontiers in Microbiology, 2016, 7, 357.	3.5	38

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37	Drugs from nature targeting inflammation (DNTI): a successful Austrian interdisciplinary network project. Monatshefte FÃ¼r Chemie, 2016, 147, 479-491.	1.8	22
38	hERG Channel Blocking Ipecac Alkaloids Identified by Combined In Silico â€“ In Vitro Screening. Planta Medica, 2016, 82, 1009-1015.	1.3	20
39	Discovery of prenylated flavonoids with dual activity against influenza virus and Streptococcus pneumoniae. Scientific Reports, 2016, 6, 27156.	3.3	63
40	Pharmacokinetics of hERG Channel Blocking Voacangine in Wistar Rats Applying a Validated LC-ESI-MS/MS Method. Planta Medica, 2016, 82, 1030-1038.	1.3	4
41	Human Ether-Ã-go-go Related Gene (hERG) Channel Blocking Aporphine Alkaloids from Lotus Leaves and Their Quantitative Analysis in Dietary Weight Loss Supplements. Journal of Agricultural and Food Chemistry, 2015, 63, 5634-5639.	5.2	23
42	Interface dynamics explain assembly dependency of influenza neuraminidase catalytic activity. Journal of Biomolecular Structure and Dynamics, 2015, 33, 104-120.	3.5	24
43	Pistacia lentiscus Oleoresin: Virtual Screening and Identification of Masticadienonic and Isomasticadienonic Acids as Inhibitors of 11Î²-Hydroxysteroid Dehydrogenase 1. Planta Medica, 2015, 81, 525-532.	1.3	22
44	Antipneumococcal activity of neuraminidase inhibiting artocarpin. International Journal of Medical Microbiology, 2015, 305, 289-297.	3.6	32
45	Complementary assays helping to overcome challenges for identifying neuraminidase inhibitors. Future Virology, 2015, 10, 77-88.	1.8	23
46	In silico Driven Pharmacognosy: Forth, Back and Reverse. Planta Medica, 2015, 81, 427-428.	1.3	1
47	Piperine Congeners as Inhibitors of Vascular Smooth Muscle Cell Proliferation. Planta Medica, 2015, 81, 1065-1074.	1.3	14
48	Discovery and resupply of pharmacologically active plant-derived natural products: A review. Biotechnology Advances, 2015, 33, 1582-1614.	11.7	1,871
49	Accessing biological actions of Ganoderma secondary metabolites by in silico profiling. Phytochemistry, 2015, 114, 114-124.	2.9	31
50	Identification of plumericin as a potent new inhibitor of the <scp>NF</scp>â€<scp>ÎºB</scp> pathway with antiâ€inflammatory activity in vitro and in vivo. British Journal of Pharmacology, 2014, 171, 1676-1686.	5.4	61
51	Pharmacophore Model Refinement for 11Î²â€Hydroxysteroid Dehydrogenase Inhibitors: Search for Modulators of Intracellular Glucocorticoid Concentrations. Molecular Informatics, 2014, 33, 15-25.	2.5	35
52	Plant extracts in cell-based anti-inflammatory assaysâ€"Pitfalls and considerations related to removal of activity masking bulk components. Phytochemistry Letters, 2014, 10, xli-xlvii.	1.2	6
53	European medicinal polypores â€“ A modern view on traditional uses. Journal of Ethnopharmacology, 2014, 154, 564-583.	4.1	120
54	Computer-Guided Approach to Access the Anti-influenza Activity of Licorice Constituents. Journal of Natural Products, 2014, 77, 563-570.	3.0	38

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55	Experimentally Validated hERG Pharmacophore Models as Cardiotoxicity Prediction Tools. Journal of Chemical Information and Modeling, 2014, 54, 2887-2901.	5.4	62
56	Dereplication of depsides from the lichen Pseudevernia furfuracea by centrifugal partition chromatography combined to 13C nuclear magnetic resonance pattern recognition. Analytica Chimica Acta, 2014, 846, 60-67.	5.4	25
57	Discovery of Sanggenon G as a natural cellâ€permeable smallâ€molecular weight inhibitor of Xâ€linked inhibitor of apoptosis protein (XIAP). FEBS Open Bio, 2014, 4, 659-671.	2.3	8
58	Natural product agonists of peroxisome proliferator-activated receptor gamma (PPARÎ³): a review. Biochemical Pharmacology, 2014, 92, 73-89.	4.4	492
59	Impact of Molecular Flexibility on Double Polymorphism, Solid Solutions and Chiral Discrimination during Crystallization of Diprophylline Enantiomers. Molecular Pharmaceutics, 2013, 10, 3850-3861.	4.6	55
60	Honokiol: A non-adipogenic PPARÎ³ agonist from nature. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4813-4819.	2.4	108
61	Lignans from Carthamus tinctorius suppress tryptophan breakdown via indoleamine 2,3-dioxygenase. Phytomedicine, 2013, 20, 1190-1195.	5.3	23
62	Imbricaric Acid and Perlatolic Acid: Multi-Targeting Anti-Inflammatory Depsides from Cetrelia monachorum. PLoS ONE, 2013, 8, e76929.	2.5	30
63	Anti-cancer Drug Development: Computational Strategies to Identify and Target Proteins Involved in Cancer Metabolism. Current Pharmaceutical Design, 2013, 19, 532-577.	1.9	30
64	Anti-cancer drug development: computational strategies to identify and target proteins involved in cancer metabolism. Current Pharmaceutical Design, 2013, 19, 532-77.	1.9	9
65	Ratanhiaphenol III from Ratanhiae Radix is a PTP1B Inhibitor. Planta Medica, 2012, 78, 678-681.	1.3	18
66	Influenza neuraminidase: A druggable target for natural products. Natural Product Reports, 2012, 29, 11-36.	10.3	146
67	Discovery of Depsides and Depsidones from Lichen as Potent Inhibitors of Microsomal Prostaglandin E2 Synthaseâ€1 Using Pharmacophore Models. ChemMedChem, 2012, 7, 2077-2081.	3.2	58
68	2-(2,4-dihydroxyphenyl)-5-(E)-propenylbenzofuran promotes endothelial nitric oxide synthase activity in human endothelial cells. Biochemical Pharmacology, 2012, 84, 804-812.	4.4	22
69	Carnosol and Carnosic Acids fromSalvia officinalisInhibit Microsomal Prostaglandin E₂Synthase-1. Journal of Pharmacology and Experimental Therapeutics, 2012, 342, 169-176.	2.5	84
70	Pharmacophore-based discovery of a novel cytosolic phospholipase A2Î± inhibitor. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1202-1207.	2.2	13
71	Lignan Derivatives from Krameria lappacea Roots Inhibit Acute Inflammation in Vivo and Pro-inflammatory Mediators in Vitro. Journal of Natural Products, 2011, 74, 1779-1786.	3.0	56
72	Pharmacophore Modeling and Virtual Screening for Novel Acidic Inhibitors of Microsomal Prostaglandin E₂ Synthase-1 (mPGES-1). Journal of Medicinal Chemistry, 2011, 54, 3163-3174.	6.4	53

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73	The coumarin scopoletin potentiates acetylcholine release from synaptosomes, amplifies hippocampal long-term potentiation and ameliorates anticholinergic- and age-impaired memory. Neuroscience, 2011, 197, 280-292.	2.3	65
74	Computational Approaches for the Discovery of Natural Lead Structures. , 2011, , 97-132.		1
75	Predicting cyclooxygenase inhibition by three-dimensional pharmacophoric profiling. Part II: Identification of enzyme inhibitors from Prasaplai, a Thai traditional medicine. Phytomedicine, 2011, 18, 119-133.	5.3	15
76	Pharmacophore-based discovery of FXR-agonists. Part II: Identification of bioactive triterpenes from Ganoderma lucidum. Bioorganic and Medicinal Chemistry, 2011, 19, 6779-6791.	3.0	59
77	Pharmacophore-based discovery of FXR agonists. Part I: Model development and experimental validation. Bioorganic and Medicinal Chemistry, 2011, 19, 7168-7180.	3.0	46
78	Plumeridoid C from the Amazonian traditional medicinal plantHimatanthus sucuuba. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, o409-o412.	0.4	14
79	The human rhinovirus: humanâ€pathological impact, mechanisms of antirhinoviral agents, and strategies for their discovery. Medicinal Research Reviews, 2011, 31, 42-92.	10.5	54
80	In silico discovery of acylated flavonol monorhamnosides from Eriobotrya japonica as natural, small-molecular weight inhibitors of XIAP BIR3. Bioorganic and Medicinal Chemistry, 2011, 19, 1002-1009.	3.0	8
81	Discovery of a novel IKK-Î² inhibitor by ligand-based virtual screening techniques. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 577-583.	2.2	50
82	Novel neuraminidase inhibitors: identification, biological evaluation and investigations of the binding mode. Future Medicinal Chemistry, 2011, 3, 437-450.	2.3	34
83	Applications of Integrated Data Mining Methods to Exploring Natural Product Space for Acetylcholinesterase Inhibitors. Combinatorial Chemistry and High Throughput Screening, 2010, 13, 54-66.	1.1	18
84	Editorial [Hot topic: Computational Techniques for Lead Discovery from Nature (Executive Editor:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	2
85	Predicting Cyclooxygenase Inhibition by Threeâ€Dimensional Pharmacophoric Profiling. Part I: Model Generation, Validation and Applicability in Ethnopharmacology. Molecular Informatics, 2010, 29, 75-86.	2.5	33
86	11Î²-Hydroxysteroid dehydrogenase 1 inhibiting constituents from Eriobotrya japonica revealed by bioactivity-guided isolation and computational approaches. Bioorganic and Medicinal Chemistry, 2010, 18, 1507-1515.	3.0	50
87	Morphinans and isoquinolines: Acetylcholinesterase inhibition, pharmacophore modeling, and interaction with opioid receptors. Bioorganic and Medicinal Chemistry, 2010, 18, 5071-5080.	3.0	46
88	Neoandrographolide fromAndrographis paniculataas a Potential Natural Chemosensitizer. Planta Medica, 2010, 76, 1698-1700.	1.3	27
89	Natural Products in Structure-Assisted Design of Molecular Cancer Therapeutics. Current Pharmaceutical Design, 2010, 16, 1718-1741.	1.9	20
90	Antiviral Potential and Molecular Insight into Neuraminidase Inhibiting Diarylheptanoids from Alpinia katsumadai. Journal of Medicinal Chemistry, 2010, 53, 778-786.	6.4	114

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91	Computer-Aided Discovery, Validation, and Mechanistic Characterization of Novel Neolignan Activators of Peroxisome Proliferator-Activated Receptor Î³. Molecular Pharmacology, 2010, 77, 559-566.	2.3	72
92	In silicoTarget Fishing for Rationalized Ligand Discovery Exemplified on Constituents ofRuta graveolensL.. Planta Medica, 2009, 75, 293-293.	1.3	0
93	In silicoTarget Fishing for Rationalized Ligand Discovery Exemplified on Constituents ofRuta graveolens. Planta Medica, 2009, 75, 195-204.	1.3	131
94	Inhibition of 11Î²-hydroxysteroid dehydrogenase type 1 by plant extracts used as traditional antidiabetic medicines. FÃ¬toterapÃ¬Ã¢, 2009, 80, 200-205.	2.2	32
95	Accessing target information by virtual parallel screeningâ€"The impact on natural product research. Phytochemistry Letters, 2009, 2, 53-58.	1.2	47
96	Discovery of Novel CB₂ Receptor Ligands by a Pharmacophore-Based Virtual Screening Workflow. Journal of Medicinal Chemistry, 2009, 52, 369-378.	6.4	37
97	Effects of the coumarin scopoletin on learning and memory, on release of acetylcholine from brain synaptosomes and on long-term potentiation in hippocampus. BMC Pharmacology, 2008, 8, A36.	0.4	8
98	Extracts and constituents of Leontopodium alpinum enhance cholinergic transmission: Brain ACh increasing and memory improving properties. Biochemical Pharmacology, 2008, 76, 236-248.	4.4	32
99	Virtual screening for the discovery of bioactive natural products. , 2008, 65, 211-249.		94
100	Structure-Based Virtual Screening for the Discovery of Natural Inhibitors for Human Rhinovirus Coat Protein. Journal of Medicinal Chemistry, 2008, 51, 842-851.	6.4	83
101	Pharmacophore-Based Screening for the Successful Identification of Bio-Active Natural Products. Chimia, 2007, 61, 350-354.	0.6	6
102	Venturia inaequalis-Inhibiting Dielsâ^'Alder Adducts from Morus Root Bark. Journal of Agricultural and Food Chemistry, 2006, 54, 8432-8436.	5.2	17
103	Taspine:â€‰ Bioactivity-Guided Isolation and Molecular Ligandâ^'Target Insight of a Potent Acetylcholinesterase Inhibitor from Magnolia x soulangiana. Journal of Natural Products, 2006, 69, 1341-1346.	3.0	57
104	Integrated in Silico Tools for Exploiting the Natural Productsâ€™ Bioactivity. Planta Medica, 2006, 72, 671-678.	1.3	32
105	Strategies for Efficient Lead Structure Discovery from Natural Products. Current Medicinal Chemistry, 2006, 13, 1491-1507.	2.4	89
106	Podospermic acid, 1,3,5-tri-O-(7,8-dihydrocaffeoyl)quinic acid from Podospermum laciniatum (Asteraceae). Tetrahedron Letters, 2005, 46, 1291-1294.	1.4	19
107	Discovering COX-Inhibiting Constituents ofMorusRoot Bark: Activity-Guided versus Computer-Aided Methods. Planta Medica, 2005, 71, 399-405.	1.3	52
108	New Insights into the Acetylcholinesterase Inhibitory Activity ofLycopodium clavatum. Planta Medica, 2005, 71, 1040-1043.	1.3	13

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109	Application of the In Combo Screening Approach For the Discovery of Non-Alkaloid Acetylcholinesterase Inhibitors from Cichorium intybus. Current Drug Discovery Technologies, 2005, 2, 185-193.	1.2	24
110	The crystal polymorphs of metazachlor. Journal of Thermal Analysis and Calorimetry, 2004, 77, 511-522.	3.6	36
111	Combining Ethnopharmacology and Virtual Screening for Lead Structure Discovery: COX-Inhibitors as Application Example.. ChemInform, 2004, 35, no.	0.0	0
112	Combining Ethnopharmacology and Virtual Screening for Lead Structure Discovery:â€‰ COX-Inhibitors as Application Example. Journal of Chemical Information and Computer Sciences, 2004, 44, 480-488.	2.8	67
113	Acetylcholinesterase Inhibitory Activity of Scopolin and Scopoletin Discovered by Virtual Screening of Natural Products. Journal of Medicinal Chemistry, 2004, 47, 6248-6254.	6.4	193
114	Thermal characterization of torasemide using coupled techniques. Journal of Thermal Analysis and Calorimetry, 2003, 73, 519-526.	3.6	15
115	Lignans, Phenylpropanoids and Polyacetylenes from Chaerophyllum aureum L. (Apiaceae). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2003, 58, 553-557.	1.4	25
116	Crystal forms of torasemide: new insights. European Journal of Pharmaceutics and Biopharmaceutics, 2002, 53, 75-86.	4.3	37
117	Physico-chemical Characterization of Hydrated and Anhydrous Crystal Forms of Amlodipine Besylate. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 68, 361-372.	1.4	32
118	Polymorphism of racemic felodipine and the unusual series of solid solutions in the binary system of its enantiomers. Journal of Pharmaceutical Sciences, 2001, 90, 949-959.	3.3	45
119	Energy/Temperature Diagram and Compression Behavior of the Polymorphs of d-Mannitol. Journal of Pharmaceutical Sciences, 2000, 89, 457-468.	3.3	306
120	An evaluation of the transition temperature range of super-elastic orthodontic NiTi springs using differential scanning calorimetry. European Journal of Orthodontics, 1999, 21, 497-502.	2.4	16
121	Binary System of (R)- and (S)-Nitrendipineâ€”Polymorphism and Structure. Journal of Pharmaceutical Sciences, 1997, 86, 674-679.	3.3	40
122	(-)-N,N'-but-2-ene-1,4-diylbimorphinans. Die Pharmazie, 1991, 46, 101-2.	0.5	2
123	Expanding the Biological Properties of Alkannins and Shikonins: Their Impact on Adipogenesis and Life Expectancy in Nematodes. Frontiers in Pharmacology, 0, 13, .	3.5	1