Robert Preissner

List of Publications by Year
in descending order

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135 papers	9,654 citations	46918 47 h-index	42291 92 g-index
141 all docs	141 docs citations	141 times ranked	13491 citing authors

#	Article	IF	Citations
1	The druggability of bitter taste receptors for the treatment of neurodegenerative disorders. Biochemical Pharmacology, 2022, 197, 114915.	2.0	6
2	Onset of Oral Lichenoid Lesions and Oral Lichen Planus Following COVID-19 Vaccination: A Retrospective Analysis of about 300,000 Vaccinated Patients. Vaccines, 2022, 10, 480.	2.1	15
3	A Comparative Analysis of COVID-19 Vaccines Based on over 580,000 Cases from the Vaccination Adverse Event Reporting System. Vaccines, 2022, 10, 408.	2.1	9
4	Non-Psychotropic Cannabinoids as Inhibitors of TET1 Protein. Bioorganic Chemistry, 2022, 124, 105793.	2.0	7
5	Man vs. machine: comparison of pharmacogenetic expert counselling with a clinical medication support system in a study with 200 genotyped patients. European Journal of Clinical Pharmacology, 2022, 78, 579-587.	0.8	2
6	SuperPred 3.0: drug classification and target predictionâ€"a machine learning approach. Nucleic Acids Research, 2022, 50, W726-W731.	6.5	46
7	Comparison of five-year survival rates among patients with oral squamous cell carcinoma with and without association with syphilis: a retrospective case-control study. BMC Cancer, 2022, 22, 454.	1.1	8
8	Oestrogen-mediated upregulation of the Mas receptor contributes to sex differences in acute lung injury and lung vascular barrier regulation. European Respiratory Journal, 2021, 57, 2000921.	3.1	28
9	PROMISCUOUS 2.0: a resource for drug-repositioning. Nucleic Acids Research, 2021, 49, D1373-D1380.	6.5	21
10	Oxidative testicular injury: effect of l-leucine on redox, cholinergic and purinergic dysfunctions, and dysregulated metabolic pathways. Amino Acids, 2021, 53, 359-380.	1.2	17
11	VirtualTaste: a web server for the prediction of organoleptic properties of chemical compounds. Nucleic Acids Research, 2021, 49, W679-W684.	6.5	21
12	Allosteric Modulation of the CB1 Cannabinoid Receptor by Cannabidiolâ€"A Molecular Modeling Study of the N-Terminal Domain and the Allosteric-Orthosteric Coupling. Molecules, 2021, 26, 2456.	1.7	19
13	Sensitive to Infection but Strong in Defenseâ€"Female Sex and the Power of Oestradiol in the COVID-19 Pandemic. Frontiers in Global Women S Health, 2021, 2, 651752.	1.1	14
14	Evaluation of Drugâ€"Drug Interactions in EGFR-Mutated Non-Small-Cell Lung Cancer Patients during Treatment with Tyrosine-Kinase Inhibitors. Journal of Personalized Medicine, 2021, 11, 424.	1.1	6
15	IL-13 is a driver of COVID-19 severity. JCI Insight, 2021, 6, .	2.3	80
16	L-leucine stimulation of glucose uptake and utilization involves modulation of glucose â€“ lipid metabolic switch and improved bioenergetic homeostasis in isolated rat psoas muscle ex vivo. Amino Acids, 2021, 53, 1135-1151.	1.2	8
17	Voronoia 4-ever. Nucleic Acids Research, 2021, 49, W685-W690.	6.5	7
18	Real-world evidence for improved outcomes with histamine antagonists and aspirin in 22,560 COVID-19 patients. Signal Transduction and Targeted Therapy, 2021, 6, 267.	7.1	17

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19	Reynoutria Rhizomes as a Natural Source of SARS-CoV-2 Mpro Inhibitorsâ€“Molecular Docking and In Vitro Study. Pharmaceuticals, 2021, 14, 742.	1.7	24
20	A minigene DNA vaccine encoding peptide epitopes derived from Galectin-1 has protective antitumoral effects in a model of neuroblastoma. Cancer Letters, 2021, 509, 105-114.	3.2	8
21	A Birds-Eye (Re)View of Acid-Suppression Drugs, COVID-19, and the Highly Variable Literature. Frontiers in Pharmacology, 2021, 12, 700703.	1.6	5
22	Individualized Drugsâ€™ Selection by Evaluation of Drug Properties, Pharmacogenomics and Clinical Parameters: Performance of a Bioinformatic Tool Compared to a Clinically Established Counselling Process. Pharmacogenomics and Personalized Medicine, 2021, Volume 14, 955-962.	0.4	3
23	Prediction of oral squamous cell carcinoma based on machine learning of breath samples: a prospective controlled study. BMC Oral Health, 2021, 21, 500.	0.8	8
24	Comparison of Computerized Prescription Support Systems in COVID-19 Patients: INTERCheck and Drug-PIN. SN Comprehensive Clinical Medicine, 2021, 4, 3.	0.3	1
25	Outcome of revascularization therapy in traumatized immature incisors. BMC Oral Health, 2020, 20, 207.	0.8	15
26	Evidence for treatment with estradiol for women with SARS-CoV-2 infection. BMC Medicine, 2020, 18, 369.	2.3	106
27	CardioScape-II: the need to map cardiovascular funding patterns in Europe. Cardiovascular Research, 2020, 116, 879-881.	1.8	0
28	Evidence-Based Considerations Exploring Relations between SARS-CoV-2 Pandemic and Air Pollution: Involvement of PM2.5-Mediated Up-Regulation of the Viral Receptor ACE-2. International Journal of Environmental Research and Public Health, 2020, 17, 5573.	1.2	82
29	Cytotoxic Effect of Vanicosides A and B from Reynoutria sachalinensis against Melanotic and Amelanotic Melanoma Cell Lines and in silico Evaluation for Inhibition of BRAFV600E and MEK1. International Journal of Molecular Sciences, 2020, 21, 4611.	1.8	11
30	Sixty-One Volatiles Have Phylogenetic Signals Across Bacterial Domain and Fungal Kingdom. Frontiers in Microbiology, 2020, 11, 557253.	1.5	17
31	Computational Prediction of Potential Inhibitors of the Main Protease of SARS-CoV-2. Frontiers in Chemistry, 2020, 8, 590263.	1.8	24
32	The Exponential Phase of the Covid-19 Pandemic in Central Italy: An Integrated Care Pathway. International Journal of Environmental Research and Public Health, 2020, 17, 3792.	1.2	46
33	SuperCYPsPredâ€”a web server for the prediction of cytochrome activity. Nucleic Acids Research, 2020, 48, W580-W585.	6.5	47
34	Norditerpenoids with Selective Anti-Cholinesterase Activity from the Roots of Perovskia atriplicifolia Benth.. International Journal of Molecular Sciences, 2020, 21, 4475.	1.8	13
35	Pain-Prescription Differences - An Analysis of 500,000 Discharge Summaries. Current Drug Research Reviews, 2019, 11, 58-66.	0.7	8
36	Computational and experimental validation of antioxidant properties of synthesized bioactive ferulic acid derivatives. International Journal of Food Properties, 2018, 21, 86-98.	1.3	19

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37	mVOC 2.0: a database of microbial volatiles. Nucleic Acids Research, 2018, 46, D1261-D1265.	6.5	288
38	Volatile organic compounds in the breath of oral candidiasis patients: a pilot study. Clinical Oral Investigations, 2018, 22, 721-731.	1.4	4
39	Drugs as habitable planets in the space of dark chemical matter. Drug Discovery Today, 2018, 23, 481-486.	3.2	11
40	CardioScape mapping the cardiovascular funding landscape in Europe. European Heart Journal, 2018, 39, 2423-2430.	1.0	6
41	Prediction Is a Balancing Act: Importance of Sampling Methods to Balance Sensitivity and Specificity of Predictive Models Based on Imbalanced Chemical Data Sets. Frontiers in Chemistry, 2018, 6, 362.	1.8	97
42	SuperDRUG2: a one stop resource for approved/marketed drugs. Nucleic Acids Research, 2018, 46, D1137-D1143.	6.5	81
43	The Catch-22 of Predicting hERG Blockade Using Publicly Accessible Bioactivity Data. Journal of Chemical Information and Modeling, 2018, 58, 1224-1233.	2.5	39
44	Suppressive Effects of Clerodendrum volubile P Beauv. [Labiatae] Methanolic Extract and Its Fractions on Type 2 Diabetes and Its Complications. Frontiers in Pharmacology, 2018, 9, 8.	1.6	40
45	BitterSweetForest: A Random Forest Based Binary Classifier to Predict Bitterness and Sweetness of Chemical Compounds. Frontiers in Chemistry, 2018, 6, 93.	1.8	50
46	Molecular basis for the sensitivity of TRP channels to polyunsaturated fatty acids. Naunyn-Schmiedeberg's Archives of Pharmacology, 2018, 391, 833-846.	1.4	1
47	ProTox-II: a webserver for the prediction of toxicity of chemicals. Nucleic Acids Research, 2018, 46, W257-W263.	6.5	1,328
48	Exploring Activity Profiles of PAINS and Their Structural Context in Targetâ€“Ligand Complexes. Journal of Chemical Information and Modeling, 2018, 58, 1847-1857.	2.5	13
49	Volatile Organic Compounds in the Breath of Oral Squamous Cell Carcinoma Patients: A Pilot Study. Otolaryngology - Head and Neck Surgery, 2017, 157, 981-987.	1.1	23
50	Computational prediction of immune cell cytotoxicity. Food and Chemical Toxicology, 2017, 107, 150-166.	1.8	23
51	Anti-diabetic effect of the ethyl acetate fraction of Clerodendrum volubile: protocatechuic acid suppresses phagocytic oxidative burst and modulates inflammatory cytokines. Biomedicine and Pharmacotherapy, 2017, 86, 307-315.	2.5	36
52	The target landscape of clinical kinase drugs. Science, 2017, 358, .	6.0	609
53	Statin and rottlerin small-molecule inhibitors restrict colon cancer progression and metastasis via MACC1. PLoS Biology, 2017, 15, e2000784.	2.6	70
54	Identification of signature volatiles to discriminate <scp>C</scp>andida albicans, glabrata, krusei and tropicalis using gas chromatography and mass spectrometry. Mycoses, 2016, 59, 117-126.	1.8	22

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55	Adjuvant antifungal therapy using tissue tolerable plasma on oral mucosa and removable dentures in oral candidiasis patients: a randomised doubleâ€blinded splitâ€mouth pilot study. Mycoses, 2016, 59, 467-475.	1.8	21
56	Computational methods for prediction of in vitro effects of new chemical structures. Journal of Cheminformatics, 2016, 8, 51.	2.8	58
57	SL2: an interactive webtool for modeling of missing segments in proteins. Nucleic Acids Research, 2016, 44, W390-W394.	6.5	26
58	WITHDRAWNâ€"a resource for withdrawn and discontinued drugs. Nucleic Acids Research, 2016, 44, D1080-D1086.	6.5	210
59	TRPC6 G757D Loss-of-Function Mutation Associates with FSGS. Journal of the American Society of Nephrology: JASN, 2016, 27, 2771-2783.	3.0	94
60	Chemical Proteomics Reveals Ferrochelatase as a Common Off-target of Kinase Inhibitors. ACS Chemical Biology, 2016, 11, 1245-1254.	1.6	82
61	Inhibition of DNAâ€"Topoisomerase I by Acylated Triterpene Saponins from Pittosporum angustifolium Lodd.. Natural Products and Bioprospecting, 2016, 6, 141-147.	2.0	10
62	CancerResourceâ€"updated database of cancer-relevant proteins, mutations and interacting drugs. Nucleic Acids Research, 2016, 44, D932-D937.	6.5	33
63	DBEndo: a web-based endodontic case management tool. BMC Research Notes, 2015, 8, 685.	0.6	0
64	Molecular similarity-based predictions of the Tox21 screening outcome. Frontiers in Environmental Science, 2015, 3, .	1.5	43
65	Acyclovir Has Low but Detectable Influence on HLA-B*57:01 Specificity without Inducing Hypersensitivity. PLoS ONE, 2015, 10, e0124878.	1.1	11
66	Personalized Cancer Therapy Considering Cytochrome P450 Variability. Advances in Pharmacology, 2015, 74, 113-130.	1.2	9
67	2D and 3D similarity landscape analysis identifies PARP as a novel off-target for the drug Vatalanib. BMC Bioinformatics, 2015, 16, 308.	1.2	9
68	Super Natural IIâ€"a database of natural products. Nucleic Acids Research, 2015, 43, D935-D939.	6.5	279
69	SuperPred: update on drug classification and target prediction. Nucleic Acids Research, 2014, 42, W26-W31.	6.5	288
70	mVOC: a database of microbial volatiles. Nucleic Acids Research, 2014, 42, D744-D748.	6.5	337
71	The Transformer database: biotransformation of xenobiotics. Nucleic Acids Research, 2014, 42, D1113-D1117.	6.5	57
72	GenderMedDB: an interactive database of sex and gender-specific medical literature. Biology of Sex Differences, 2014, 5, 7.	1.8	19

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73	ProTox: a web server for the in silico prediction of rodent oral toxicity. Nucleic Acids Research, 2014, 42, W53-W58.	6.5	400
74	VaccImm: simulating peptide vaccination in cancer therapy. BMC Bioinformatics, 2013, 14, 127.	1.2	12
75	Mapping discontinuous proteinâ€binding sites via structureâ€based peptide libraries: combining in silico and in vitro approaches. Journal of Molecular Recognition, 2013, 26, 23-31.	1.1	4
76	Residues of a proposed gate region in type I ATP-binding cassette import systems are crucial for function as revealed by mutational analysis. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2164-2172.	1.4	6
77	Polymorphic Cytochrome P450 Enzymes (CYPs) and Their Role in Personalized Therapy. PLoS ONE, 2013, 8, e82562.	1.1	198
78	A New Algorithm for Integrated Analysis of miRNA-mRNA Interactions Based on Individual Classification Reveals Insights into Bladder Cancer. PLoS ONE, 2013, 8, e64543.	1.1	33
79	SuperTarget goes quantitative: update on drug-target interactions. Nucleic Acids Research, 2012, 40, D1113-D1117.	6.5	174
80	SynSysNet: integration of experimental data on synaptic proteinâ€“protein interactions with drug-target relations. Nucleic Acids Research, 2012, 41, D834-D840.	6.5	54
81	Binding sites in membrane proteins â€“ Diversity, druggability and prospects. European Journal of Cell Biology, 2012, 91, 326-339.	1.6	7
82	PROMISCUOUS: a database for network-based drug-repositioning. Nucleic Acids Research, 2011, 39, D1060-D1066.	6.5	203
83	SuperSweet--a resource on natural and artificial sweetening agents. Nucleic Acids Research, 2011, 39, D377-D382.	6.5	84
84	CancerResource: a comprehensive database of cancer-relevant proteins and compound interactions supported by experimental knowledge. Nucleic Acids Research, 2011, 39, D960-D967.	6.5	70
85	SDM--a server for predicting effects of mutations on protein stability and malfunction. Nucleic Acids Research, 2011, 39, W215-W222.	6.5	453
86	Cobweb: a Java applet for network exploration and visualisation. Bioinformatics, 2011, 27, 1725-1726.	1.8	8
87	FragmentStore--a comprehensive database of fragments linking metabolites, toxic molecules and drugs. Nucleic Acids Research, 2011, 39, D1049-D1054.	6.5	19
88	Development of Immune-Specific Interaction Potentials and Their Application in the Multi-Agent-System VaccImm. PLoS ONE, 2011, 6, e23257.	1.1	12
89	Enzymatic, expression and structural divergences among carboxyl O-methyltransferases after gene duplication and speciation in Nicotiana. Plant Molecular Biology, 2010, 72, 311-330.	2.0	25
90	Analysis of sex and gender-specific research reveals a common increase in publications and marked differences between disciplines. BMC Medicine, 2010, 8, 70.	2.3	60

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91	SuperCYP: a comprehensive database on Cytochrome P450 enzymes including a tool for analysis of CYP-drug interactions. Nucleic Acids Research, 2010, 38, D237-D243.	6.5	215
92	Theoretical Modeling Techniques and Their Impact on Tumor Immunology. Clinical and Developmental Immunology, 2010, 2010, 1-11.	3.3	15
93	DNA Vaccination: Using the Patient's Immune System to Overcome Cancer. Clinical and Developmental Immunology, 2010, 2010, 1-14.	3.3	11
94	SuperScent--a database of flavors and scents. Nucleic Acids Research, 2009, 37, D291-D294.	6.5	106
95	SuperSite: dictionary of metabolite and drug binding sites in proteins. Nucleic Acids Research, 2009, 37, D195-D200.	6.5	30
96	Voronoia: analyzing packing in protein structures. Nucleic Acids Research, 2009, 37, D393-D395.	6.5	78
97	SuperLooper--a prediction server for the modeling of loops in globular and membrane proteins. Nucleic Acids Research, 2009, 37, W571-W574.	6.5	85
98	JAIL: a structure-based interface library for macromolecules. Nucleic Acids Research, 2009, 37, D338-D341.	6.5	7
99	SuperToxic: a comprehensive database of toxic compounds. Nucleic Acids Research, 2009, 37, D295-D299.	6.5	69
100	Survivin minigene DNA vaccination is effective against neuroblastoma. International Journal of Cancer, 2009, 125, 104-114.	2.3	63
101	Cellular Fingerprints: A Novel Approach Using Largeâ€Scale Cancer Cell Line Data for the Identification of Potential Anticancer Agents. Chemical Biology and Drug Design, 2009, 74, 439-448.	1.5	10
102	Computer-assisted identification of small-molecule Bcl-2 modulators. Computational Biology and Chemistry, 2009, 33, 451-456.	1.1	1
103	Inhibiting the inhibitors: Retro-inverso Smac peptides. Peptides, 2009, 30, 2374-2379.	1.2	10
104	Hydrogen-Bonding and Packing Features of Membrane Proteins: Functional Implications. Biophysical Journal, 2008, 94, 1945-1953.	0.2	52
105	Superimpose: a 3D structural superposition server. Nucleic Acids Research, 2008, 36, W47-W54.	6.5	31
106	A rationally designed tyrosine hydroxylase DNA vaccine induces specific antineuroblastoma immunity. Molecular Cancer Therapeutics, 2008, 7, 2241-2251.	1.9	35
107	SuperPred: drug classification and target prediction. Nucleic Acids Research, 2008, 36, W55-W59.	6.5	144
108	SuperTarget and Matador: resources for exploring drug-target relationships. Nucleic Acids Research, 2007, 36, D919-D922.	6.5	518

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109	SuperHapten: a comprehensive database for small immunogenic compounds. Nucleic Acids Research, 2007, 35, D906-D910.	6.5	19
110	Docking without docking: ISEARCHâ€"prediction of interactions using known interfaces. Proteins: Structure, Function and Bioinformatics, 2007, 69, 839-844.	1.5	50
111	Natural products: sources and databases. Natural Product Reports, 2006, 23, 347-356.	5.2	62
112	Analysis and prediction of helixâ€"helix interactions in membrane channels and transporters. Proteins: Structure, Function and Bioinformatics, 2006, 64, 253-262.	1.5	28
113	SuperMimic--fitting peptide mimetics into protein structures. BMC Bioinformatics, 2006, 7, 11.	1.2	28
114	Representation of target-bound drugs by computed conformers: implications for conformational libraries. BMC Bioinformatics, 2006, 7, 293.	1.2	30
115	Photoactivation of an Inhibitor of the 12/15â€Lipoxygenase Pathway. ChemBioChem, 2006, 7, 1089-1095.	1.3	50
116	SuperNatural: a searchable database of available natural compounds. Nucleic Acids Research, 2006, 34, D678-D683.	6.5	84
117	Legionella pneumophila Induces IFNÎ² in Lung Epithelial Cells via IPS-1 and IRF3, Which Also Control Bacterial Replication. Journal of Biological Chemistry, 2006, 281, 36173-36179.	1.6	118
118	Characterization of GD2 Peptide Mimotope DNA Vaccines Effective against Spontaneous Neuroblastoma Metastases. Cancer Research, 2006, 66, 10567-10575.	0.4	63
119	In silico screening of drug databases for TSE inhibitors. BioSystems, 2005, 80, 117-122.	0.9	4
120	SuperLigands - a database of ligand structures derived from the Protein Data Bank. BMC Bioinformatics, 2005, 6, 122.	1.2	36
121	SUPERFICIAL--surface mapping of proteins via structure-based peptide library design. BMC Bioinformatics, 2005, 6, 223.	1.2	15
122	Columba: an integrated database of proteins, structures, and annotations. BMC Bioinformatics, 2005, 6, 81.	1.2	40
123	Novel curcumin- and emodin-related compounds identified by in silico 2D/3D conformer screening induce apoptosis in tumor cells. BMC Cancer, 2005, 5, 97.	1.1	51
124	SuperDrug: a conformational drug database. Bioinformatics, 2005, 21, 1751-1753.	1.8	80
125	Molecular Packing and Packing Defects in Helical Membrane Proteins. Biophysical Journal, 2005, 88, 1970-1977.	0.2	39
126	Conservation of cis prolyl bonds in proteins during evolution. Proteins: Structure, Function and Bioinformatics, 2004, 58, 589-595.	1.5	43

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127	Comparison of 2DSimilarity and 3DSuperposition. Application to Searching a Conformational Drug Database. Journal of Chemical Information and Computer Sciences, 2004, 44, 1816-1822.	2.8	47
128	Structural features of transmembrane helices. FEBS Letters, 2004, 559, 145-151.	1.3	63
129	A Comprehensive View on Proteasomal Sequences: Implications for the Evolution of the Proteasome. Journal of Molecular Biology, 2003, 326, 1437-1448.	2.0	96
130	Inverse sequence similarity of proteins does not imply structural similarity. FEBS Letters, 2003, 545, 105-109.	1.3	13
131	Inhomogeneous molecular density: reference packing densities and distribution of cavities within proteins. Bioinformatics, 2003, 19, 2112-2121.	1.8	35
132	Accelerating screening of 3D protein data with a graph theoretical approach. Bioinformatics, 2003, 19, 2442-2447.	1.8	14
133	The RTP Site Shared by the HIV-1 Tat Protein and the 11S Regulator Subunit Î± is Crucial for their Effects on Proteasome Function Including Antigen Processing. Journal of Molecular Biology, 2002, 323, 771-782.	2.0	56
134	Sequence information within proteasomal prosequences mediates efficient integration of Î²-subunits into the 20 s proteasome complex. Journal of Molecular Biology, 1999, 288, 117-128.	2.0	34
135	Prediction of prolyl residues in cis -conformation in protein structures on the basis of the amino acid sequence. FEBS Letters, 1990, 277, 159-163.	1.3	45