Reza M Salek

List of Publications by Year in Descending Order

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88 papers	4,075 citations	34 h-index	63 g-index
109 ext. papers	4,819 ext. citations	7.1 avg, IF	5.24 L-index

#	Paper	IF	Citations
88	Networks and Graphs Discovery in Metabolomics Data Analysis and Interpretation.. *Frontiers in Molecular Biosciences*, **2022**, 9, 841373	5.6	2
87	ELIXIR and Toxicology: a community in development. *F1000Research*, **2021**, 10, 1129	3.6	0
86	Emerging technologies and their impact on regulatory science. *Experimental Biology and Medicine*, **2021**, 15353702211052280	3.7	3
85	Metabolomics: The Stethoscope for the Twenty-First Century. *Medical Principles and Practice*, **2021**, 30, 301-310	2.1	17
84	Information Retrieval Using Machine Learning for Biomarker Curation in the Exposome-Explorer. *Frontiers in Research Metrics and Analytics*, **2021**, 6, 689264	1.3	0
83	A New Pipeline for the Normalization and Pooling of Metabolomics Data. *Metabolites*, **2021**, 11,	5.6	1
82	The Disruptive 4IR in the Life Sciences: Metabolomics. *Lecture Notes in Electrical Engineering*, **2020**, 227-256	0.6	1
81	NMR-based plasma metabolic profiling in patients with unstable angina. *Iranian Journal of Basic Medical Sciences*, **2020**, 23, 311-320	1.8	2
80	Exposome-Explorer 2.0: an update incorporating candidate dietary biomarkers and dietary associations with cancer risk. *Nucleic Acids Research*, **2020**, 48, D908-D912	20.1	15
79	The ABRF Metabolomics Research Group 2016 Exploratory Study: Investigation of Data Analysis Methods for Untargeted Metabolomics. *Metabolites*, **2020**, 10,	5.6	2
78	The metaRbolomics Toolbox in Bioconductor and beyond. *Metabolites*, **2019**, 9,	5.6	38
77	mzTab-M: A Data Standard for Sharing Quantitative Results in Mass Spectrometry Metabolomics. *Analytical Chemistry*, **2019**, 91, 3302-3310	7.8	27
76	A Tool to Encourage Minimum Reporting Guideline Uptake for Data Analysis in Metabolomics. *Metabolites*, **2019**, 9,	5.6	12
75	Interoperable and scalable data analysis with microservices: applications in metabolomics. *Bioinformatics*, **2019**, 35, 3752-3760	7.2	15
74	Metabolomics in early detection and prognosis of acute coronary syndrome. *Clinica Chimica Acta*, **2019**, 495, 43-53	6.2	20
73	Metabolome Analysis **2019**, 396-409		0
72	Use cases, best practice and reporting standards for metabolomics in regulatory toxicology. *Nature Communications*, **2019**, 10, 3041	17.4	62

71	Measurement Technologies **2019**, 35-72		
70	Data Sharing and Standards **2019**, 235-252		0
69	Nuclear Magnetic Resonance Spectroscopy Data Processing **2019**, 101-128		
68	Overview of Metabolomics **2019**, 1-13		
67	PhenoMeNal: processing and analysis of metabolomics data in the cloud. *GigaScience*, **2019**, 8,	7.6	41
66	Progress in Standardization of Metabolic Phenotyping Data **2019**, 369-384		
65	rDolphin: a GUI R package for proficient automatic profiling of 1D H-NMR spectra of study datasets. *Metabolomics*, **2018**, 14, 24	4.7	35
64	nmrML: A Community Supported Open Data Standard for the Description, Storage, and Exchange of NMR Data. *Analytical Chemistry*, **2018**, 90, 649-656	7.8	37
63	Improving sample classification by harnessing the potential of H-NMR signal chemical shifts. *Scientific Reports*, **2018**, 8, 11886	4.9	3
62	Expanding the Use of Spectral Libraries in Proteomics. *Journal of Proteome Research*, **2018**, 17, 4051-4060	3.6	26
61	Mind the Gap: Mapping Mass Spectral Databases in Genome-Scale Metabolic Networks Reveals Poorly Covered Areas. *Metabolites*, **2018**, 8,	5.6	38
60	Computational tools and workflows in metabolomics: An international survey highlights the opportunity for harmonisation through Galaxy. *Metabolomics*, **2017**, 13, 12	4.7	52
59	Global open data management in metabolomics. *Current Opinion in Chemical Biology*, **2017**, 36, 58-63	9.7	26
58	mzML2ISA & nmrML2ISA: generating enriched ISA-Tab metadata files from metabolomics XML data. *Bioinformatics*, **2017**, 33, 2598-2600	7.2	9
57	Discovering and linking public omics data sets using the Omics Discovery Index. *Nature Biotechnology*, **2017**, 35, 406-409	44.5	105
56	The Human Proteome Organization-Proteomics Standards Initiative Quality Control Working Group: Making Quality Control More Accessible for Biological Mass Spectrometry. *Analytical Chemistry*, **2017**, 89, 4474-4479	7.8	12
55	Automated assembly of species metabolomes through data submission into a public repository. *GigaScience*, **2017**, 6, 1-4	7.6	8
54	Navigating freely-available software tools for metabolomics analysis. *Metabolomics*, **2017**, 13, 106	4.7	131

53	Proteomics Standards Initiative: Fifteen Years of Progress and Future Work. *Journal of Proteome Research*, **2017**, 16, 4288-4298	5.6	61
52	Assessing Public Metabolomics Metadata, Towards Improving Quality. *Journal of Integrative Bioinformatics*, **2017**, 14,	3.8	9
51	Compliance with minimum information guidelines in public metabolomics repositories. *Scientific Data*, **2017**, 4, 170137	8.2	43
50	A decade after the metabolomics standards initiative it's time for a revision. *Scientific Data*, **2017**, 4, 170138	8.2	45
49	The future of metabolomics in ELIXIR. *F1000Research*, **2017**, 6,	3.6	18
48	The future of metabolomics in ELIXIR. *F1000Research*, **2017**, 6, 1649	3.6	10
47	NMR Spectroscopy of Tissues, 1H MAS **2017**, 254-259		
46	SPLASH, a hashed identifier for mass spectra. *Nature Biotechnology*, **2016**, 34, 1099-1101	44.5	48
45	Infection Susceptibility in Gastric Intrinsic Factor (Vitamin B12)-Defective Mice Is Subject to Maternal Influences. *MBio*, **2016**, 7,	7.8	4
44	MetaboLights: An Open-Access Database Repository for Metabolomics Data. *Current Protocols in Bioinformatics*, **2016**, 53, 14.13.1-14.13.18	24.2	111
43	Data standards can boost metabolomics research, and if there is a will, there is a way. *Metabolomics* , **2016**, 12, 14	4.7	85
42	From Databases to Big Data **2016**, 317-331		4
41	Recommendations and Standardization of Biomarker Quantification Using NMR-Based Metabolomics with Particular Focus on Urinary Analysis. *Journal of Proteome Research*, **2016**, 15, 360-73	5.6	94
40	Mass spectral databases for LC/MS- and GC/MS-based metabolomics: State of the field and future prospects. *TrAC - Trends in Analytical Chemistry*, **2016**, 78, 23-35	14.6	295
39	The Time Is Right to Focus on Model Organism Metabolomes. *Metabolites*, **2016**, 6,	5.6	43
38	Embedding standards in metabolomics: the Metabolomics Society data standards task group. *Metabolomics*, **2015**, 11, 782-783	4.7	12
37	Behavioural and molecular endophenotypes in psychotic disorders reveal heritable abnormalities in glutamatergic neurotransmission. *Translational Psychiatry*, **2015**, 5, e540	8.6	9
36	SpeckTackle: JavaScript charts for spectroscopy. *Journal of Cheminformatics*, **2015**, 7, 17	8.6	10

35	Dolphin 1D: Improving Automation of Targeted Metabolomics in Multi-matrix Datasets of (^1)H-NMR Spectra. *Advances in Intelligent Systems and Computing*, **2015**, 59-67	0.4	2
34	COordination of Standards in MetabOlomicS (COSMOS): facilitating integrated metabolomics data access. *Metabolomics*, **2015**, 11, 1587-1597	4.7	109
33	Metabolomics continues to expand: highlights from the 2015 metabolomics conference. *Metabolomics*, **2015**, 11, 1036-1040	4.7	13
32	Getting the right answers: understanding metabolomics challenges. *Expert Review of Molecular Diagnostics*, **2015**, 15, 97-109	3.8	35
31	Standardizing the experimental conditions for using urine in NMR-based metabolomic studies with a particular focus on diagnostic studies: a review. *Metabolomics*, **2015**, 11, 872-894	4.7	171
30	Metabolic differences in ripening of Solanum lycopersicum 'Ailsa Craig' and three monogenic mutants. *Scientific Data*, **2014**, 1, 140029	8.2	9
29	Dolphin: a tool for automatic targeted metabolite profiling using 1D and 2D (1)H-NMR data. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 7967-76	4.4	40
28	Genome-wide association study of metabolic traits reveals novel gene-metabolite-disease links. *PLoS Genetics*, **2014**, 10, e1004132	6	70
27	The mzTab data exchange format: communicating mass-spectrometry-based proteomics and metabolomics experimental results to a wider audience. *Molecular and Cellular Proteomics*, **2014**, 13, 2765-75	7.6	96
26	Expanding natural product chemistry resources at the EBI. *Journal of Cheminformatics*, **2013**, 5,	8.6	78
25	Biomarkers of food intake and metabolite differences between plasma and red blood cell matrices; a human metabolomic profile approach. *Molecular BioSystems*, **2013**, 9, 1411-22		21
24	NMR-based metabolomics in human disease diagnosis: applications, limitations, and recommendations. *Metabolomics*, **2013**, 9, 1048-1072	4.7	165
23	MetaboLights--an open-access general-purpose repository for metabolomics studies and associated meta-data. *Nucleic Acids Research*, **2013**, 41, D781-6	20.1	483
22	The MetaboLights repository: curation challenges in metabolomics. *Database: the Journal of Biological Databases and Curation*, **2013**, 2013, bat029	5	40
21	MetaboLights: towards a new COSMOS of metabolomics data management. *Metabolomics*, **2012**, 8, 757-760	4.7	64
20	Metabolomics of human breast cancer: new approaches for tumor typing and biomarker discovery. *Genome Medicine*, **2012**, 4, 37	14.4	74
19	Remodeling of central metabolism in invasive breast cancer compared to normal breast tissue - a GC-TOFMS based metabolomics study. *BMC Genomics*, **2012**, 13, 334	4.5	102
18	A metabolomic strategy defines the regulation of lipid content and global metabolism by Δ9 desaturases in Caenorhabditis elegans. *BMC Genomics*, **2012**, 13, 36	4.5	22

17	The study of mammalian metabolism through NMR-based metabolomics. *Methods in Enzymology*, **2011**, 500, 337-51	1.7	15
16	A metabolomic comparison of mouse models of the Neuronal Ceroid Lipofuscinoses. *Journal of Biomolecular NMR*, **2011**, 49, 175-84	3	9
15	A Metadata description of the data in "A metabolomic comparison of urinary changes in type 2 diabetes in mouse, rat, and human.". *BMC Research Notes*, **2011**, 4, 272	2.3	15
14	H nuclear magnetic resonance spectroscopy characterisation of metabolic phenotypes in the medulloblastoma of the SMO transgenic mice. *British Journal of Cancer*, **2010**, 103, 1297-304	8.7	20
13	1 H MAS NMR Spectroscopy of Tissues **2010**, 925-930		1
12	A metabolomic study of the CRND8 transgenic mouse model of Alzheimer's disease. *Neurochemistry International*, **2010**, 56, 937-47	4.4	112
11	A metabolomic study of brain tissues from aged mice with low expression of the vesicular monoamine transporter 2 (VMAT2) gene. *Neurochemical Research*, **2008**, 33, 292-300	4.6	21
10	Metabolomic applications to neuroscience: more challenges than chances?. *Expert Review of Proteomics*, **2007**, 4, 435-7	4.2	11
9	Metabolomic investigation of CLN6 neuronal ceroid lipofuscinosis in affected South Hampshire sheep. *Journal of Neuroscience Research*, **2007**, 85, 3494-504	4.4	21
8	A metabolomic comparison of urinary changes in type 2 diabetes in mouse, rat, and human. *Physiological Genomics*, **2007**, 29, 99-108	3.6	315
7	Backbone resonance assignments of the 25kD N-terminal ATPase domain from the Hsp90 chaperone. *Journal of Biomolecular NMR*, **2002**, 23, 327-8	3	19
6	Metabolomics		4
5	Interoperable and scalable data analysis with microservices: Applications in Metabolomics		2
4	PhenoMeNal: Processing and analysis of Metabolomics data in the Cloud		1
3	Information Retrieval using Machine Learning for Biomarker Curation in the Exposome-Explorer		1
2	Omics Discovery Index - Discovering and Linking Public Omics Datasets		2
1	Galaxy-Kubernetes integration: scaling bioinformatics workflows in the cloud		9