

Ian A Lewis

List of Publications by Citations

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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.

40
papers

2,285
citations

20
h-index

47
g-index

52
ext. papers

2,932
ext. citations

9.8
avg, IF

4.73
L-index

#	Paper	IF	Citations
40	Metabolite identification via the Madison Metabolomics Consortium Database. <i>Nature Biotechnology</i> , 2008 , 26, 162-4	44.5	546
39	Method for determining molar concentrations of metabolites in complex solutions from two-dimensional 1H-13C NMR spectra. <i>Analytical Chemistry</i> , 2007 , 79, 9385-90	7.8	233
38	Microbiome-derived inosine modulates response to checkpoint inhibitor immunotherapy. <i>Science</i> , 2020 , 369, 1481-1489	33.3	233
37	Metabolite Measurement: Pitfalls to Avoid and Practices to Follow. <i>Annual Review of Biochemistry</i> , 2017 , 86, 277-304	29.1	196
36	rNMR: open source software for identifying and quantifying metabolites in NMR spectra. <i>Magnetic Resonance in Chemistry</i> , 2009 , 47 Suppl 1, S123-6	2.1	149
35	Genetic investigation of tricarboxylic acid metabolism during the Plasmodium falciparum life cycle. <i>Cell Reports</i> , 2015 , 11, 164-74	10.6	95
34	Role of band 3 in regulating metabolic flux of red blood cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 18515-20	11.5	88
33	Stable isotope assisted assignment of elemental compositions for metabolomics. <i>Analytical Chemistry</i> , 2007 , 79, 6912-21	7.8	78
32	Kinetic flux profiling elucidates two independent acetyl-CoA biosynthetic pathways in Plasmodium falciparum. <i>Journal of Biological Chemistry</i> , 2013 , 288, 36338-50	5.4	63
31	Metabolic QTL analysis links chloroquine resistance in Plasmodium falciparum to impaired hemoglobin catabolism. <i>PLoS Genetics</i> , 2014 , 10, e1004085	6	62
30	Metabolic potential of uncultured bacteria and archaea associated with petroleum seepage in deep-sea sediments. <i>Nature Communications</i> , 2019 , 10, 1816	17.4	59
29	New bioinformatics resources for metabolomics. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2007 , 157-68	1.3	42
28	Vancomycin relieves mycophenolate mofetil-induced gastrointestinal toxicity by eliminating gut bacterial β glucuronidase activity. <i>Science Advances</i> , 2019 , 5, eaax2358	14.3	40
27	nmrML: A Community Supported Open Data Standard for the Description, Storage, and Exchange of NMR Data. <i>Analytical Chemistry</i> , 2018 , 90, 649-656	7.8	37
26	An intact microbiota is required for the gastrointestinal toxicity of the immunosuppressant mycophenolate mofetil. <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 1047-1059	5.8	35
25	Role of aminotransferases in glutamate metabolism of human erythrocytes. <i>Journal of Biomolecular NMR</i> , 2011 , 49, 221-9	3	34
24	NMR method for measuring carbon-13 isotopic enrichment of metabolites in complex solutions. <i>Analytical Chemistry</i> , 2010 , 82, 4558-63	7.8	34

23	Understanding Plant Nitrogen Metabolism through Metabolomics and Computational Approaches. <i>Plants</i> , 2016 , 5,	4.5	34
22	Hierarchy in pentose sugar metabolism in <i>Clostridium acetobutylicum</i> . <i>Applied and Environmental Microbiology</i> , 2015 , 81, 1452-62	4.8	31
21	Evolution of Fitness Cost-Neutral Mutant PfCRT Conferring <i>P. falciparum</i> 4-Aminoquinoline Drug Resistance Is Accompanied by Altered Parasite Metabolism and Digestive Vacuole Physiology. <i>PLoS Pathogens</i> , 2016 , 12, e1005976	7.6	25
20	Iron Sequestration in Microbiota Biofilms As A Novel Strategy for Treating Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2018 , 24, 1493-1502	4.5	20
19	NEW BIOINFORMATICS RESOURCES FOR METABOLOMICS 2006 ,		17
18	<i>Staphylococcus aureus</i> induces an itaconate-dominated immunometabolic response that drives biofilm formation. <i>Nature Communications</i> , 2021 , 12, 1399	17.4	16
17	Evidence for Regulation of Hemoglobin Metabolism and Intracellular Ionic Flux by the <i>Plasmodium falciparum</i> Chloroquine Resistance Transporter. <i>Scientific Reports</i> , 2018 , 8, 13578	4.9	16
16	Optimized serial expansion of human induced pluripotent stem cells using low-density inoculation to generate clinically relevant quantities in vertical-wheel bioreactors. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 1036-1052	6.9	16
15	Thermogenic hydrocarbon biodegradation by diverse depth-stratified microbial populations at a Scotian Basin cold seep. <i>Nature Communications</i> , 2020 , 11, 5825	17.4	14
14	Colitis-Induced Microbial Perturbation Promotes Postinflammatory Visceral Hypersensitivity. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020 , 10, 225-244	7.9	12
13	Relationship between treatment-seeking behaviour and artemisinin drug quality in Ghana. <i>Malaria Journal</i> , 2012 , 11, 110	3.6	10
12	Bacterial cyclic diguanylate signaling networks sense temperature. <i>Nature Communications</i> , 2021 , 12, 1986	17.4	8
11	PelX is a UDP--acetylglucosamine C4-epimerase involved in Pel polysaccharide-dependent biofilm formation. <i>Journal of Biological Chemistry</i> , 2020 , 295, 11949-11962	5.4	6
10	Cooperation between host immunity and the gut bacteria is essential for helminth-evoked suppression of colitis. <i>Microbiome</i> , 2021 , 9, 186	16.6	5
9	Digestomics: an emerging strategy for comprehensive analysis of protein catabolism. <i>Current Opinion in Biotechnology</i> , 2017 , 43, 134-140	11.4	4
8	Unique metabolic phenotype and its transition during maturation of juvenile male germ cells. <i>FASEB Journal</i> , 2021 , 35, e21513	0.9	4
7	Semiautomated device for batch extraction of metabolites from tissue samples. <i>Analytical Chemistry</i> , 2012 , 84, 1809-12	7.8	3
6	Metabolic preference assay for rapid diagnosis of bloodstream infections.. <i>Nature Communications</i> , 2022 , 13, 2332	17.4	3

5	Dipeptidase-1 governs renal inflammation during ischemia reperfusion injury.. <i>Science Advances</i> , 2022 , 8, eabm0142	14.3	2
4	Method for absolute quantification of short chain fatty acids via reverse phase chromatography mass spectrometry.. <i>PLoS ONE</i> , 2022 , 17, e0267093	3.7	2
3	Novel NMR and MS Approaches to Metabolomics. <i>Methods in Pharmacology and Toxicology</i> , 2012 , 199-230	1	1
2	Untargeted Metabolomics Investigation on Selenite Reduction to Elemental Selenium by SeITE01. <i>Frontiers in Microbiology</i> , 2021 , 12, 711000	5.7	1
1	Colitis-associated microbiota drives changes in behaviour in male mice in the absence of inflammation.. <i>Brain, Behavior, and Immunity</i> , 2022 , 102, 266-278	16.6	0