

Ian A Lewis

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

3,560
citations

236925

25
h-index

276875

41
g-index

52
all docs

52
docs citations

52
times ranked

5382
citing authors

#	ARTICLE	IF	CITATIONS
1	Crohn's disease therapeutic dietary intervention (CD-TDI): study protocol for a randomised controlled trial. <i>BMJ Open Gastroenterology</i> , 2022, 9, e000841.	2.7	0
2	Dipeptidase-1 governs renal inflammation during ischemia reperfusion injury. <i>Science Advances</i> , 2022, 8, eabm0142.	10.3	28
3	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.	4.1	19
4	Method for absolute quantification of short chain fatty acids via reverse phase chromatography mass spectrometry. <i>PLoS ONE</i> , 2022, 17, e0267093.	2.5	16
5	Metabolic preference assay for rapid diagnosis of bloodstream infections. <i>Nature Communications</i> , 2022, 13, 2332.	12.8	20
6	Methods for Quantifying the Metabolic Boundary Fluxes of Cell Cultures in Large Cohorts by High-Resolution Hydrophilic Liquid Chromatography Mass Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 8874-8882.	6.5	11
7	Bacterial cyclic diguanylate signaling networks sense temperature. <i>Nature Communications</i> , 2021, 12, 1986.	12.8	35
8	<i>Staphylococcus aureus</i> induces an itaconate-dominated immunometabolic response that drives biofilm formation. <i>Nature Communications</i> , 2021, 12, 1399.	12.8	72
9	Unique metabolic phenotype and its transition during maturation of juvenile male germ cells. <i>FASEB Journal</i> , 2021, 35, e21513.	0.5	19
10	Cooperation between host immunity and the gut bacteria is essential for helminth-evoked suppression of colitis. <i>Microbiome</i> , 2021, 9, 186.	11.1	28
11	Untargeted Metabolomics Investigation on Selenite Reduction to Elemental Selenium by <i>Bacillus mycooides</i> SelTE01. <i>Frontiers in Microbiology</i> , 2021, 12, 711000.	3.5	6
12	Thermogenic hydrocarbon biodegradation by diverse depth-stratified microbial populations at a Scotian Basin cold seep. <i>Nature Communications</i> , 2020, 11, 5825.	12.8	72
13	Microbiome-derived inosine modulates response to checkpoint inhibitor immunotherapy. <i>Science</i> , 2020, 369, 1481-1489.	12.6	635
14	PelX is a UDP-N-acetylglucosamine C4-epimerase involved in Pel polysaccharide-dependent biofilm formation. <i>Journal of Biological Chemistry</i> , 2020, 295, 11949-11962.	3.4	10
15	Colitis-Induced Microbial Perturbation Promotes Postinflammatory Visceral Hypersensitivity. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 10, 225-244.	4.5	33
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.	3.3	40
17	Vancomycin relieves mycophenolate mofetil-induced gastrointestinal toxicity by eliminating gut bacterial β -glucuronidase activity. <i>Science Advances</i> , 2019, 5, eaax2358.	10.3	73
18	Metabolic potential of uncultured bacteria and archaea associated with petroleum seepage in deep-sea sediments. <i>Nature Communications</i> , 2019, 10, 1816.	12.8	118

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19	nmrML: A Community Supported Open Data Standard for the Description, Storage, and Exchange of NMR Data. <i>Analytical Chemistry</i> , 2018, 90, 649-656.	6.5	50
20	Evidence for Regulation of Hemoglobin Metabolism and Intracellular Ionic Flux by the Plasmodium falciparum Chloroquine Resistance Transporter. <i>Scientific Reports</i> , 2018, 8, 13578.	3.3	24
21	Iron Sequestration in Microbiota Biofilms As A Novel Strategy for Treating Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 1493-1502.	1.9	30
22	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.	0.6	59
23	Editorial overview: Recent innovations in the metabolomics revolution. <i>Current Opinion in Biotechnology</i> , 2017, 43, iv-vii.	6.6	7
24	Digestomics: an emerging strategy for comprehensive analysis of protein catabolism. <i>Current Opinion in Biotechnology</i> , 2017, 43, 134-140.	6.6	11
25	Metabolite Measurement: Pitfalls to Avoid and Practices to Follow. <i>Annual Review of Biochemistry</i> , 2017, 86, 277-304.	11.1	322
26	Understanding Plant Nitrogen Metabolism through Metabolomics and Computational Approaches. <i>Plants</i> , 2016, 5, 39.	3.5	41
27	Evolution of Fitness Cost-Neutral Mutant PfCRT Conferring P. falciparum 4-Aminoquinoline Drug Resistance Is Accompanied by Altered Parasite Metabolism and Digestive Vacuole Physiology. <i>PLoS Pathogens</i> , 2016, 12, e1005976.	4.7	34
28	Hierarchy in Pentose Sugar Metabolism in Clostridium acetobutylicum. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1452-1462.	3.1	38
29	Genetic Investigation of Tricarboxylic Acid Metabolism during the Plasmodium falciparum Life Cycle. <i>Cell Reports</i> , 2015, 11, 164-174.	6.4	134
30	Metabolic QTL Analysis Links Chloroquine Resistance in Plasmodium falciparum to Impaired Hemoglobin Catabolism. <i>PLoS Genetics</i> , 2014, 10, e1004085.	3.5	73
31	Kinetic Flux Profiling Elucidates Two Independent Acetyl-CoA Biosynthetic Pathways in Plasmodium falciparum. <i>Journal of Biological Chemistry</i> , 2013, 288, 36338-36350.	3.4	79
32	Semiautomated Device for Batch Extraction of Metabolites from Tissue Samples. <i>Analytical Chemistry</i> , 2012, 84, 1809-1812.	6.5	6
33	Novel NMR and MS Approaches to Metabolomics. <i>Methods in Pharmacology and Toxicology</i> , 2012, , 199-230.	0.2	4
34	Relationship between treatment-seeking behaviour and artemisinin drug quality in Ghana. <i>Malaria Journal</i> , 2012, 11, 110.	2.3	12
35	Role of aminotransferases in glutamate metabolism of human erythrocytes. <i>Journal of Biomolecular NMR</i> , 2011, 49, 221-229.	2.8	46
36	NMR Method for Measuring Carbon-13 Isotopic Enrichment of Metabolites in Complex Solutions. <i>Analytical Chemistry</i> , 2010, 82, 4558-4563.	6.5	38

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37	Role of band 3 in regulating metabolic flux of red blood cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18515-18520.	7.1	109
38	rNMR: open source software for identifying and quantifying metabolites in NMR spectra. Magnetic Resonance in Chemistry, 2009, 47, S123-6.	1.9	169
39	Metabolite identification via the Madison Metabolomics Consortium Database. Nature Biotechnology, 2008, 26, 162-164.	17.5	591
40	Stable Isotope Assisted Assignment of Elemental Compositions for Metabolomics. Analytical Chemistry, 2007, 79, 6912-6921.	6.5	90
41	Method for Determining Molar Concentrations of Metabolites in Complex Solutions from Two-Dimensional ¹ H- ¹³ C NMR Spectra. Analytical Chemistry, 2007, 79, 9385-9390.	6.5	262
42	New bioinformatics resources for metabolomics. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2007, , 157-68.	0.7	42
43	NEW BIOINFORMATICS RESOURCES FOR METABOLOMICS. , 2006, , .		43
44	Metabolomics: The Key to Unraveling the Role of the Microbiome in Visceral Pain Neurotransmission. Frontiers in Neuroscience, 0, 16, .	2.8	3