

# Ian A Lewis

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5149782/ian-a-lewis-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | Dipeptidase-1 governs renal inflammation during ischemia reperfusion injury.. <i>Science Advances</i> , <b>2022</b> , 8, eabm0142  | 14.3 | 2         |
| 39 | Colitis-associated microbiota drives changes in behaviour in male mice in the absence of inflammation.. <i>Brain, Behavior, and Immunity</i> , <b>2022</b> , 102, 266-278  | 16.6 | 0         |
| 38 | Method for absolute quantification of short chain fatty acids via reverse phase chromatography mass spectrometry.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0267093  | 3.7  | 2         |
| 37 | Metabolic preference assay for rapid diagnosis of bloodstream infections.. <i>Nature Communications</i> , <b>2022</b> , 13, 2332   | 17.4 | 3         |
| 36 | Bacterial cyclic diguanylate signaling networks sense temperature. <i>Nature Communications</i> , <b>2021</b> , 12, 1986   | 17.4 | 8         |
| 35 | Staphylococcus aureus induces an itaconate-dominated immunometabolic response that drives biofilm formation. <i>Nature Communications</i> , <b>2021</b> , 12, 1399   | 17.4 | 16        |
| 34 | Unique metabolic phenotype and its transition during maturation of juvenile male germ cells. <i>FASEB Journal</i> , <b>2021</b> , 35, e21513   | 0.9  | 4         |
| 33 | Cooperation between host immunity and the gut bacteria is essential for helminth-evoked suppression of colitis. <i>Microbiome</i> , <b>2021</b> , 9, 186   | 16.6 | 5         |
| 32 | Untargeted Metabolomics Investigation on Selenite Reduction to Elemental Selenium by SeITE01. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 711000  | 5.7  | 1         |
| 31 | PelX is a UDP--acetylglucosamine C4-epimerase involved in Pel polysaccharide-dependent biofilm formation. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 11949-11962  | 5.4  | 6         |
| 30 | Thermogenic hydrocarbon biodegradation by diverse depth-stratified microbial populations at a Scotian Basin cold seep. <i>Nature Communications</i> , <b>2020</b> , 11, 5825   | 17.4 | 14        |
| 29 | Microbiome-derived inosine modulates response to checkpoint inhibitor immunotherapy. <i>Science</i> , <b>2020</b> , 369, 1481-1489   | 33.3 | 233       |
| 28 | Colitis-Induced Microbial Perturbation Promotes Postinflammatory Visceral Hypersensitivity. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , <b>2020</b> , 10, 225-244  | 7.9  | 12        |
| 27 | 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> , <b>2020</b> , 9, 1036-1052 | 6.9  | 16        |
| 26 | Metabolic potential of uncultured bacteria and archaea associated with petroleum seepage in deep-sea sediments. <i>Nature Communications</i> , <b>2019</b> , 10, 1816  | 17.4 | 59        |
| 25 | Vancomycin relieves mycophenolate mofetil-induced gastrointestinal toxicity by eliminating gut bacterial $\beta$ -glucuronidase activity. <i>Science Advances</i> , <b>2019</b> , 5, eaax2358  | 14.3 | 40        |
| 24 | nmrML: A Community Supported Open Data Standard for the Description, Storage, and Exchange of NMR Data. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 649-656  | 7.8  | 37        |

|    |   |      |     |
|----|---|------|-----|
| 23 | Evidence for Regulation of Hemoglobin Metabolism and Intracellular Ionic Flux by the Plasmodium falciparum Chloroquine Resistance Transporter. <i>Scientific Reports</i> , <b>2018</b> , 8, 13578   | 4.9  | 16  |
| 22 | Iron Sequestration in Microbiota Biofilms As A Novel Strategy for Treating Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , <b>2018</b> , 24, 1493-1502   | 4.5  | 20  |
| 21 | An intact microbiota is required for the gastrointestinal toxicity of the immunosuppressant mycophenolate mofetil. <i>Journal of Heart and Lung Transplantation</i> , <b>2018</b> , 37, 1047-1059   | 5.8  | 35  |
| 20 | Digestomics: an emerging strategy for comprehensive analysis of protein catabolism. <i>Current Opinion in Biotechnology</i> , <b>2017</b> , 43, 134-140   | 11.4 | 4   |
| 19 | Metabolite Measurement: Pitfalls to Avoid and Practices to Follow. <i>Annual Review of Biochemistry</i> , <b>2017</b> , 86, 277-304   | 29.1 | 196 |
| 18 | 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> , <b>2016</b> , 12, e1005976 | 7.6  | 25  |
| 17 | Understanding Plant Nitrogen Metabolism through Metabolomics and Computational Approaches. <i>Plants</i> , <b>2016</b> , 5,   | 4.5  | 34  |
| 16 | Genetic investigation of tricarboxylic acid metabolism during the Plasmodium falciparum life cycle. <i>Cell Reports</i> , <b>2015</b> , 11, 164-74  | 10.6 | 95  |
| 15 | Hierarchy in pentose sugar metabolism in Clostridium acetobutylicum. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 1452-62  | 4.8  | 31  |
| 14 | Metabolic QTL analysis links chloroquine resistance in Plasmodium falciparum to impaired hemoglobin catabolism. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004085   | 6    | 62  |
| 13 | Kinetic flux profiling elucidates two independent acetyl-CoA biosynthetic pathways in Plasmodium falciparum. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 36338-50   | 5.4  | 63  |
| 12 | Semiautomated device for batch extraction of metabolites from tissue samples. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 1809-12   | 7.8  | 3   |
| 11 | Novel NMR and MS Approaches to Metabolomics. <i>Methods in Pharmacology and Toxicology</i> , <b>2012</b> , 199-230  | 1    | 1   |
| 10 | Relationship between treatment-seeking behaviour and artemisinin drug quality in Ghana. <i>Malaria Journal</i> , <b>2012</b> , 11, 110  | 3.6  | 10  |
| 9  | Role of aminotransferases in glutamate metabolism of human erythrocytes. <i>Journal of Biomolecular NMR</i> , <b>2011</b> , 49, 221-9   | 3    | 34  |
| 8  | NMR method for measuring carbon-13 isotopic enrichment of metabolites in complex solutions. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 4558-63   | 7.8  | 34  |
| 7  | 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> , <b>2009</b> , 106, 18515-20  | 11.5 | 88  |
| 6  | rNMR: open source software for identifying and quantifying metabolites in NMR spectra. <i>Magnetic Resonance in Chemistry</i> , <b>2009</b> , 47 Suppl 1, S123-6  | 2.1  | 149 |

|   |   |      |     |
|---|---|------|-----|
| 5 | Metabolite identification via the Madison Metabolomics Consortium Database. <i>Nature Biotechnology</i> , <b>2008</b> , 26, 162-4   | 44.5 | 546 |
| 4 | Stable isotope assisted assignment of elemental compositions for metabolomics. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 6912-21  | 7.8  | 78  |
| 3 | Method for determining molar concentrations of metabolites in complex solutions from two-dimensional <sup>1</sup> H- <sup>13</sup> C NMR spectra. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 9385-90 | 7.8  | 233 |
| 2 | New bioinformatics resources for metabolomics. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , <b>2007</b> , 157-68  | 1.3  | 42  |
| 1 | NEW BIOINFORMATICS RESOURCES FOR METABOLOMICS <b>2006</b> ,   |      | 17  |