

Alejandro H Orrego

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Coenzyme A Thioester Intermediates as Platform Molecules in Cell-Free Chemical Biomanufacturing. <i>ChemBioChem</i> , 2024, 25, . | 2.8 | 1 |
| 2 | Enantiodivergent biosynthesis of β^2 -hydroxy esters by self-sufficient heterogeneous biocatalysts in a continuous flow. <i>Green Chemistry</i> , 2024, 26, 4563-4573. | 9.4 | 1 |
| 3 | Surpassing Substrate-Enzyme Competition by Compartmentalization. <i>ACS Catalysis</i> , 2023, 13, 11441-11454. | 11.7 | 5 |
| 4 | Self-Sufficient Heterogeneous Biocatalysis through Boronic Acid-Diol Complexation of Adenylated Cofactors. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 14409-14421. | 6.9 | 6 |
| 5 | Ultrahigh-Throughput Screening of Metagenomic Libraries Using Droplet Microfluidics. <i>Methods in Molecular Biology</i> , 2022, 2397, 19-32. | 0.0 | 5 |
| 6 | Turn-on Fluorescent Biosensors for Imaging Hypoxia-like Conditions in Living Cells. <i>Journal of the American Chemical Society</i> , 2022, 144, 8185-8193. | 14.6 | 31 |
| 7 | Self-sufficient asymmetric reduction of β^2 -ketoesters catalysed by a novel and robust thermophilic alcohol dehydrogenase co-immobilised with NADH. <i>Catalysis Science and Technology</i> , 2021, 11, 3217-3230. | 4.2 | 21 |
| 8 | Functionalization of Porous Cellulose with Glyoxyl Groups as a Carrier for Enzyme Immobilization and Stabilization. <i>Biomacromolecules</i> , 2021, 22, 927-937. | 5.6 | 20 |
| 9 | Stabilization of Glycosylated β^2 -Glucosidase by Intramolecular Crosslinking Between Oxidized Glycosidic Chains and Lysine Residues. <i>Applied Biochemistry and Biotechnology</i> , 2020, 192, 325-337. | 3.0 | 7 |
| 10 | High Stabilization of Enzymes Immobilized on Rigid Hydrophobic Glyoxyl-Supports: Generation of Hydrophilic Environments on Support Surfaces. <i>Catalysts</i> , 2020, 10, 676. | 3.6 | 13 |
| 11 | High stabilization of immobilized <i>Rhizomucor miehei</i> lipase by additional coating with hydrophilic crosslinked polymers: Poly-allylamine/Aldehyde-dextran. <i>Process Biochemistry</i> , 2020, 92, 156-163. | 3.8 | 17 |
| 12 | Coimmobilization and colocalization of a glycosyltransferase and a sucrose synthase greatly improves the recycling of UDP-glucose: Glycosylation of resveratrol 3-O- β^2 -D-glucoside. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 510-521. | 7.7 | 26 |
| 13 | Co-Immobilization and Co-Localization of Multi-Enzyme Systems on Porous Materials. <i>Methods in Molecular Biology</i> , 2020, 2100, 297-308. | 0.0 | 9 |
| 14 | Immobilization of Enzymes on Hetero-Functional Supports: Physical Adsorption Plus Additional Covalent Immobilization. <i>Methods in Molecular Biology</i> , 2020, 2100, 159-174. | 0.0 | 5 |
| 15 | One-Step Synthesis of β^2 -Keto Acids from Racemic Amino Acids by A Versatile Immobilized Multienzyme Cell-Free System. <i>ChemCatChem</i> , 2018, 10, 3002-3011. | 3.8 | 22 |
| 16 | Stabilization of multimeric sucrose synthase from <i>Acidithiobacillus caldus</i> via immobilization and post-immobilization techniques for synthesis of UDP-glucose. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 773-787. | 3.7 | 27 |
| 17 | Designing continuous flow reaction of xylan hydrolysis for xylooligosaccharides production in packed-bed reactors using xylanase immobilized on methacrylic polymer-based supports. <i>Bioresource Technology</i> , 2018, 266, 249-258. | 9.7 | 41 |
| 18 | Stabilization of Immobilized Lipases by Intense Intramolecular Cross-Linking of Their Surfaces by Using Aldehyde-Dextran Polymers. <i>International Journal of Molecular Sciences</i> , 2018, 19, 553. | 4.2 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Stabilization of Enzymes by Multipoint Covalent Attachment on Aldehyde-Supports: 2-Picoline Borane as an Alternative Reducing Agent. <i>Catalysts</i> , 2018, 8, 333. | 3.6 | 41 |
| 20 | Immobilization-stabilization of a complex multimeric sucrose synthase from <i>Nitrosomonas europaea</i> . Synthesis of UDP-glucose. <i>Enzyme and Microbial Technology</i> , 2017, 105, 51-58. | 3.3 | 17 |
| 21 | Immobilization and Stabilization of Beta-Xylosidases from <i>Penicillium janczewskii</i> . <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 349-366. | 3.0 | 7 |
| 22 | Two-Photon Fluorescence Anisotropy Imaging to Elucidate the Dynamics and the Stability of Immobilized Proteins. <i>Journal of Physical Chemistry B</i> , 2016, 120, 485-491. | 2.7 | 18 |