

# David Albesa-JovÃ©

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

2,330  
citations

257450

24  
h-index

214800

47  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3004  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Identification of Tse8 as a Type VI secretion system toxin from <i>Pseudomonas aeruginosa</i> that targets the bacterial transamidosome to inhibit protein synthesis in prey cells. <i>Nature Microbiology</i> , 2021, 6, 1199-1210. | 13.3 | 30        |
| 2  | Dissecting the Structural and Chemical Determinants of the "Open-to-Closed" Motion in the Mannosyltransferase PimA from <i>Mycobacteria</i> . <i>Biochemistry</i> , 2020, 59, 2934-2945.   | 2.5  | 5         |
| 3  | Structural insights into <i>Pseudomonas aeruginosa</i> Type six secretion system exported effector 8. <i>Journal of Structural Biology</i> , 2020, 212, 107651.  | 2.8  | 3         |
| 4  | The allosteric control mechanism of bacterial glycogen biosynthesis disclosed by cryoEM. <i>Current Research in Structural Biology</i> , 2020, 2, 89-103.  | 2.2  | 2         |
| 5  | Structure-function relationships underlying the dual N-acetylmuramic and N-acetylglucosamine specificities of the bacterial peptidoglycan deacetylase PdaC. <i>Journal of Biological Chemistry</i> , 2019, 294, 19066-19080.         | 3.4  | 15        |
| 6  | Quick-soaking of crystals reveals unprecedented insights into the catalytic mechanism of glycosyltransferases. <i>Methods in Enzymology</i> , 2019, 621, 261-279.  | 1.0  | 6         |
| 7  | Regulation of Human Hsc70 ATPase and Chaperone Activities by Apg2: Role of the Acidic Subdomain. <i>Journal of Molecular Biology</i> , 2019, 431, 444-461.   | 4.2  | 16        |
| 8  | The Molecular Mechanism of Substrate Recognition and Catalysis of the Membrane Acyltransferase PatA from <i>Mycobacteria</i> . <i>ACS Chemical Biology</i> , 2018, 13, 131-140.  | 3.4  | 10        |
| 9  | Structural Snapshots and Loop Dynamics along the Catalytic Cycle of Glycosyltransferase GpgS. <i>Structure</i> , 2017, 25, 1034-1044.e3.   | 3.3  | 15        |
| 10 | The antibacterial prodrug activator Rv2466c is a mycothiol-dependent reductase in the oxidative stress response of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 13097-13110.              | 3.4  | 27        |
| 11 | Structural Snapshots of $\beta$ -1,3-Galactosyltransferase with Native Substrates: Insight into the Catalytic Mechanism of Retaining Glycosyltransferases. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14853-14857. | 13.8 | 24        |
| 12 | Structural Snapshots of $\beta$ -1,3-Galactosyltransferase with Native Substrates: Insight into the Catalytic Mechanism of Retaining Glycosyltransferases. <i>Angewandte Chemie</i> , 2017, 129, 15049-15053.                        | 2.0  | 1         |
| 13 | Structural basis of phosphatidyl-myo-inositol mannosides biosynthesis in <i>mycobacteria</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 1355-1367.                                  | 2.4  | 20        |
| 14 | The conformational plasticity of glycosyltransferases. <i>Current Opinion in Structural Biology</i> , 2016, 40, 23-32.   | 5.7  | 69        |
| 15 | Structural Basis of Glycogen Biosynthesis Regulation in Bacteria. <i>Structure</i> , 2016, 24, 1613-1622.  | 3.3  | 25        |
| 16 | Structural basis for selective recognition of acyl chains by the membrane-associated acyltransferase PatA. <i>Nature Communications</i> , 2016, 7, 10906.  | 12.8 | 23        |
| 17 | TssA forms a gp6-like ring attached to the type VI secretion sheath. <i>EMBO Journal</i> , 2016, 35, 1613-1627.  | 7.8  | 84        |
| 18 | A Native Ternary Complex Trapped in a Crystal Reveals the Catalytic Mechanism of a Retaining Glycosyltransferase. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9898-9902.  | 13.8 | 35        |

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|----|---|------|-----------|
| 19 | The Redox State Regulates the Conformation of Rv2466c to Activate the Antitubercular Prodrug TP053. <i>Journal of Biological Chemistry</i> , 2015, 290, 31077-31089.  | 3.4  | 17        |
| 20 | Secondary structure reshuffling modulates glycosyltransferase function at the membrane. <i>Nature Chemical Biology</i> , 2015, 11, 16-18.   | 8.0  | 44        |
| 21 | Structural Basis of Chitin Oligosaccharide Deacetylation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6882-6887.   | 13.8 | 79        |
| 22 | Structure-function relationships of membrane-associated GT-B glycosyltransferases. <i>Glycobiology</i> , 2014, 24, 108-124.   | 2.5  | 80        |
| 23 | Iridium-catalyzed C-H borylation of pyridines. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7318.  | 2.8  | 82        |
| 24 | Rv2466c Mediates the Activation of TP053 To Kill Replicating and Non-replicating <i>Mycobacterium tuberculosis</i> . <i>ACS Chemical Biology</i> , 2014, 9, 1567-1575.  | 3.4  | 41        |
| 25 | Conformational Plasticity of the Essential Membrane-associated Mannosyltransferase PimA from <i>Mycobacteria</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 29797-29808.   | 3.4  | 24        |
| 26 | Mechanistic Insights into the Retaining Glucosyl-3-phosphoglycerate Synthase from <i>Mycobacteria</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 24649-24661.  | 3.4  | 17        |
| 27 | Structural Versatility of Pyrene-2-(4,4,5,5-tetramethyl-[1,3,2]dioxaborolane) and Pyrene-2,7-bis(4,4,5,5-tetramethyl-[1,3,2]dioxaborolane). <i>Crystal Growth and Design</i> , 2012, 12, 2794-2802.   | 3.0  | 24        |
| 28 | Type VI Secretion System in <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 12317-12327.  | 3.4  | 150       |
| 29 | Ligand redox non-innocent behaviour in ruthenium complexes of ethynyl tolans. <i>Inorganica Chimica Acta</i> , 2011, 374, 461-471.  | 2.4  | 16        |
| 30 | Four Distinct Structural Domains in <i>Clostridium difficile</i> Toxin B Visualized Using SAXS. <i>Journal of Molecular Biology</i> , 2010, 396, 1260-1270.   | 4.2  | 46        |
| 31 | The electronic structures of diruthenium complexes containing an oligo(phenylene ethynylene) bridging ligand, and some related molecular structures. <i>Dalton Transactions</i> , 2010, 39, 11605.  | 3.3  | 20        |
| 32 | Structural insights into the molecular organization of the S-layer from <i>Clostridium difficile</i> . <i>Molecular Microbiology</i> , 2009, 71, 1308-1322.   | 2.5  | 115       |
| 33 | Syntheses, structures, two-photon absorption cross-sections and computed second hyperpolarisabilities of quadrupolar A <sup>+</sup> A systems containing E-dimesitylborylethenyl acceptors. <i>Journal of Materials Chemistry</i> , 2009, 19, 7532. | 6.7  | 81        |
| 34 | The syntheses, structures and redox properties of phosphine-gold(I) and triruthenium-carbonyl cluster derivatives of tolans. <i>Inorganica Chimica Acta</i> , 2008, 361, 1646-1658.   | 2.4  | 17        |
| 35 | Ruthenium Complexes of C,C-Bis(ethynyl)carboranes: An Investigation of Electronic Interactions Mediated by Spherical Pseudo-aromatic Spacers. <i>Journal of the American Chemical Society</i> , 2008, 130, 3566-3578.                               | 13.7 | 116       |
| 36 | The synthesis and liquid crystalline behaviour of alkoxy-substituted derivatives of 1,4-bis(phenylethynyl)benzene. <i>Liquid Crystals</i> , 2008, 35, 119-132.  | 2.2  | 9         |

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|----|--|------|-----------|
| 37 | A Solid-State Dehydration Process Associated with a Significant Change in the Topology of Dihydrogen Phosphate Chains, Established from Powder X-ray Diffraction. <i>Crystal Growth and Design</i> , 2008, 8, 3641-3645.   | 3.0  | 17        |
| 38 | The synthesis, structure, and electrochemical properties of Fe(Câ%;CCâ%;N)(dppe)Cp and related compounds. <i>Canadian Journal of Chemistry</i> , 2006, 84, 154-163.  | 1.1  | 11        |
| 39 | The synthesis, structure, reactivity and electrochemical properties of ruthenium complexes featuring cyanoacetylide ligands. <i>Inorganica Chimica Acta</i> , 2006, 359, 946-961.  | 2.4  | 24        |
| 40 | Trimetallic complexes featuring Group 10 tetracyanometallate dianions as bridging ligands. <i>Inorganica Chimica Acta</i> , 2006, 359, 3459-3466.  | 2.4  | 9         |
| 41 | Synthesis of new mer,trans-rhodium(III) hydrido-bis(acetylide) complexes: Structure of mer,trans-[(PMe <sub>3</sub> ) <sub>3</sub> Rh(CCâ€C <sub>6</sub> H <sub>4</sub> -4-NMe <sub>2</sub> ) <sub>2</sub> H]. <i>Inorganica Chimica Acta</i> , 2006, 359, 2859-2863.  | 2.4  | 11        |
| 42 | Improved syntheses of bis(ethynyl)-para-carboranes, 1,12-(RCC)2-1,12-C <sub>2</sub> B <sub>10</sub> H <sub>10</sub> and 1,10-(RCC)2-1,10-C <sub>2</sub> B <sub>8</sub> H <sub>8</sub> (R=H or Me <sub>3</sub> Si). <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3889-3894.  | 1.8  | 12        |
| 43 | Metal Cluster Terminated â€œMolecular Wiresâ€ Journal of Cluster Science, 2006, 17, 65-85.   | 3.3  | 28        |
| 44 | Synthesis, Crystal Structures, Linear and Nonlinear Optical Properties, and Theoretical Studies of (p-R-Phenyl)-, (p-R-Phenylethynyl)-, and (E)-[2-(p-R-Phenyl)ethenyl]dimesitylboranes and Related Compounds. <i>Chemistry - A European Journal</i> , 2006, 12, 2758-2771.  | 3.3  | 218       |
| 45 | Ir-Catalyzed Borylation of Cî;H Bonds in N-Containing Heterocycles: Regioselectivity in the Synthesis of Heteroaryl Boronate Esters. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 489-491.   | 13.8 | 206       |
| 46 | Electronic interactions in bridged bis(cluster) assemblies â€ a comparison of para-CB <sub>10</sub> H <sub>10</sub> C, para-C <sub>6</sub> H <sub>4</sub> and C <sub>4</sub> bridges. <i>Comptes Rendus Chimie</i> , 2005, 8, 1883-1896.   | 0.5  | 16        |
| 47 | Synthesis, optical properties, crystal structures and phase behaviour of symmetric, conjugated ethynylarene-based rigid rods with terminal carboxylate groups. <i>Journal of Materials Chemistry</i> , 2005, 15, 690-697.  | 6.7  | 40        |
| 48 | Syntheses and molecular structures of group 8 benzonitrile complexes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 4908-4919.   | 1.8  | 46        |
| 49 | Challenges in Direct-Space Structure Determination from Powder Diffraction Data: A Molecular Material with Four Independent Molecules in the Asymmetric Unit. <i>ChemPhysChem</i> , 2004, 5, 414-418.  | 2.1  | 70        |
| 50 | Synthesis, optical properties, crystal structures and phase behaviour of selectively fluorinated 1,4-bis(4?-pyridylethynyl)benzenes, 4-(phenylethynyl)pyridines and 9,10-bis(4?-pyridylethynyl)anthracene, and a Zn(NO <sub>3</sub> ) <sub>2</sub> coordination polymer. <i>Journal of Materials Chemistry</i> , 2004, 14, 2395. | 6.7  | 57        |
| 51 | Structural Aspects of the -Polymorph of (E)-4-Formylcinnamic Acid: Structure Determination Directly from Powder Diffraction Data and Elucidation of Structural Disorder from Solid-State NMR. <i>Helvetica Chimica Acta</i> , 2003, 86, 1467-1477.   | 1.6  | 23        |
| 52 | Solid-State Supramolecular Organization, Established Directly from Powder Diffraction Data, and Photoluminescence Efficiency of Rigid-Core Oligothiophene-S,S-dioxides. <i>Journal of the American Chemical Society</i> , 2003, 125, 12277-12283.  | 13.7 | 62        |
| 53 | Recent advances in opportunities for solving molecular crystal structures directly from powder diffraction data: new insights in crystal engineering contexts. <i>CrystEngComm</i> , 2002, 4, 356-367.   | 2.6  | 12        |