

Santiago Uriel

List of Publications by Year in descending order

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2416
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Chemistry of Hexanuclear Rhenium Chalcohalide Clusters. <i>Chemical Reviews</i> , 2001, 101, 2037-2066. | 47.7 | 276 |
| 2 | Tetrahedral Zinc Complexes with Liquid Crystalline and Luminescent Properties: Interplay Between Nonconventional Molecular Shapes and Supramolecular Mesomorphic Order. <i>Journal of the American Chemical Society</i> , 2007, 129, 11608-11618. | 13.7 | 171 |
| 3 | Heterodimetallic Chalcogen-Bridged Cubane-Type Clusters of Molybdenum and Tungsten Containing First-Row Transition Metals. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1271-1290. | 2.0 | 112 |
| 4 | Improved Syntheses of Carboxytetrathiafulvalene, Formyltetrathiafulvalene and (Hydroxymethyl)tetrathiafulvalene: Versatile Building Blocks for New Functionalised Tetrathiafulvalene Derivatives. <i>Synthesis</i> , 1994, 1994, 489-493. | 2.3 | 111 |
| 5 | [Fe(Phen)(CN) ₄]: A Versatile Building Block for the Design of Heterometallic Systems. Crystal Structures and Magnetic Properties of PPh ₄ [Fe(Phen)(CN) ₄] \cdot 2H ₂ O and [Fe(Phen)(CN) ₄] ₂ M(H ₂ O) ₂ \cdot 4H ₂ O [Phen = 1,10-Phenanthroline; M = Mn(II) and Zn(II)]. <i>Inorganic Chemistry</i> , 2001, 40, 2065-2072. | 4.0 | 107 |
| 6 | Synthesis and characterization of new ferrocenyl heterobimetallic compounds with high NLO responses. <i>Journal of Organometallic Chemistry</i> , 1998, 562, 197-202. | 1.8 | 91 |
| 7 | Single-Component Magnetic Conductors Based on Mo ₃ S ₇ Trinuclear Clusters with Outer Dithiolate Ligands. <i>Journal of the American Chemical Society</i> , 2004, 126, 12076-12083. | 13.7 | 88 |
| 8 | Halogen-Bonding Complexes Based on Bis(iodoethynyl)benzene Units: A New Versatile Route to Supramolecular Materials. <i>Chemistry of Materials</i> , 2013, 25, 4503-4510. | 6.7 | 77 |
| 9 | Development of mixed matrix membranes based on zeolite Nu-6(2) for gas separation. <i>Microporous and Mesoporous Materials</i> , 2008, 115, 85-92. | 4.4 | 75 |
| 10 | Stereoselective 1,3-Dipolar Cycloadditions of a Chiral Nitron Derived from Erythrose. An Experimental and DFT Theoretical Study. <i>Journal of Organic Chemistry</i> , 2000, 65, 7000-7009. | 3.2 | 67 |
| 11 | Synthesis, Structure, and Optical-Limiting Properties of Heterobimetallic [M ₃ Cu ₄] Cuboidal Clusters (M = Mo or W) with Terminal Phosphine Ligands. <i>Inorganic Chemistry</i> , 2001, 40, 6132-6138. | 4.0 | 61 |
| 12 | The first evidence for the generation of radicals and formation of electrically conducting molecular materials by protic doping of tetrathiafulvalenes. <i>Advanced Materials</i> , 1994, 6, 298-300. | 21.0 | 59 |
| 13 | Heteropolymetallic Supramolecular Solid-State Architectures Constructed from [Cr(AA)(C ₂ O ₄) ₂]-Tectons, and Sustained by Coordinative, Hydrogen Bond and π - π Stacking Interactions (AA = 2,2'-Bipyridine; 1,10-Phenanthroline). <i>Crystal Growth and Design</i> , 2005, 5, 261-267. | 3.0 | 52 |
| 14 | Solution Chemistry of Chalcohalide Hexanuclear Rhenium Cluster Monoanions: Substitution Reactions and Structural and LSIMS Characterization of the Heterosubstituted Cluster Dianions, (n-Bu ₄ N) ₂ [Re ₆ Q ₅ ECl ₈] (Q = S, E = O, S, Se; Q = Se, E = S, Se, Te). <i>Inorganic Chemistry</i> , 1995, 34, 5307-5313. | 4.0 | 50 |
| 15 | Mesomorphism of a tetrahedral zinc complex. <i>Chemical Communications</i> , 2004, , 2064-2065. | 4.1 | 47 |
| 16 | [Cr(bpym)(C ₂ O ₄) ₂] \cdot in designing heterometallic complexes. Crystal structures and magnetic properties of PPh ₄ [Cr(bpym)(C ₂ O ₄) ₂] \cdot H ₂ O and [Ag(bpym)][Cr(C ₂ O ₄) ₂](H ₂ O) ₂ \cdot 2H ₂ O (bpym=2,2'-bipyrimidine). <i>Inorganica Chimica Acta</i> , 2002, 336, 46-54. | 2.4 | 44 |
| 17 | 4,2-Ribbon like ferromagnetic cyano-bridged Fe ^{III} ₂ Ni ^{II} chains: a magneto-structural study. <i>Dalton Transactions</i> , 2007, , 3690. | 3.3 | 43 |
| 18 | Exfoliated Titanosilicate Material UZAR-51 Obtained from JDF-1. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 159-163. | 2.0 | 42 |

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|----|--|-----|-----------|
| 19 | Chiral Imprinting with Amino Acids of Ordered Mesoporous Silica Exhibiting Enantioselectivity after Calcination. <i>Chemistry of Materials</i> , 2011, 23, 1280-1287. | 6.7 | 42 |
| 20 | Preparation, Properties, and Crystal Structure of New Conjugated Oligomers with a Pendant Ferrocenyl and an End-Capped Pyridine. <i>Organometallics</i> , 2000, 19, 3797-3802. | 2.3 | 40 |
| 21 | Syntheses, Structures and Nonlinear Optical Properties of Ferrocenyl Complexes with Arylethenyl Substituents. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2113-2122. | 2.0 | 40 |
| 22 | Mechanism of the Reaction of the $[W_3S_4H_3(dmpe)_3]^+$ Cluster with Acids: Evidence for the Acid-Promoted Substitution of Coordinated Hydrides and the Effect of the Attacking Species on the Kinetics of Protonation of the Metal-Hydride Bonds. <i>Chemistry - A European Journal</i> , 2004, 10, 1463-1471. | 3.3 | 39 |
| 23 | The synthesis of primary, secondary and tertiary aminomethyltetrathiafulvalenes. <i>Tetrahedron</i> , 1992, 48, 3983-3990. | 1.9 | 33 |
| 24 | Synthesis and third-order nonlinear optical properties of $[Mo_3(\mu_3-S)(\mu_2-S)_2]_4^+$ clusters with maleonitriledithiolate, oxalate and thiocyanate ligands. <i>Dalton Transactions</i> , 2003, , 4546-4551. | 3.3 | 32 |
| 25 | Heterobimetallic cuboidal $[Mo_3NiS_4]$ and $[W_3NiS_4]$ cluster diphosphane complexes as molecular models in hydrodesulfurization catalysis. <i>Polyhedron</i> , 2005, 24, 1212-1220. | 2.2 | 32 |
| 26 | Solid state synthesis, structure and optical limiting properties of seleno cuboidal clusters $[M_3Se_4X_3(diphosphine)_3]^+$ (M=Mo, W; X=Cl, Br). <i>Inorganica Chimica Acta</i> , 2003, 349, 69-77. | 2.4 | 31 |
| 27 | The Boat Conformation in Pyrazaboles. A Theoretical and Experimental Study. <i>Crystal Growth and Design</i> , 2008, 8, 838-847. | 3.0 | 30 |
| 28 | Cubane-Type Mo_3CoS_4 Molecular Clusters with Three Different Metal Electron Populations: Structure, Reactivity and Their Use in the Synthesis of Hybrid Charge-Transfer Salts. <i>Chemistry - A European Journal</i> , 2004, 10, 4308-4314. | 3.3 | 29 |
| 29 | The first aminomethyl TTF derivatives: new donors for synthetic metals. <i>Tetrahedron Letters</i> , 1991, 32, 6407-6410. | 1.4 | 28 |
| 30 | Synthesis and structure of the incomplete cuboidal clusters $[W_3Se_4H_3(dmpe)_3]^+$, $[W_3Se_4H_3(\mu_3-OH)_x(dmpe)_3]^+$ and $[W_3Se_4(OH)_3(dmpe)_3]^+$, and the mechanism of the acid-assisted substitution of the coordinated hydrides. <i>Dalton Transactions</i> , 2004, , 530-536. | 3.3 | 27 |
| 31 | Transition metal incorporation into seleno-bridged cubane type clusters of molybdenum and tungsten. X-Ray crystal structures of the first $[Mo_3CuSe_4]$ derivatives. <i>Dalton Transactions RSC</i> , 2001, , 2813-2818. | 2.3 | 26 |
| 32 | Seeded synthesis of layered titanosilicate JDF-L1. <i>Materials Letters</i> , 2009, 63, 113-115. | 2.6 | 24 |
| 33 | Proline Adsorption by Chiral Ordered Mesoporous Silica. <i>Langmuir</i> , 2012, 28, 6638-6644. | 3.5 | 24 |
| 34 | Synthesis of Conjugated β^3 - and β^2 -Lactones from Aldehydes and Ketones via a Vinylation/Allylation-Ring Closing Metathesis-Oxidation Sequence. <i>Synlett</i> , 1999, 1999, 1639-1641. | 1.8 | 23 |
| 35 | Preparation and properties of new ferrocenyl heterobimetallic complexes with counterion dependent NLO responses. <i>Polyhedron</i> , 2001, 20, 2083-2088. | 2.2 | 23 |
| 36 | Synthesis, Crystal Structure, and Properties of Multicomponent Bis(ethylenedithio)tetrathiafulvalene Charge-Transfer Salts of the $[Mo_3S_7Br_6]_2$ -Cluster. <i>Inorganic Chemistry</i> , 2005, 44, 1563-1570. | 4.0 | 22 |

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|----|--|------|-----------|
| 37 | 1,3-Imido-Functionalized Chevrelâ€“Sergent-Type Molecular Clusters, a New Class of Inorganicâ€“Organic Hybrid Compounds: Preparations and Alkylation Reactions. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1544-1547. | 4.4 | 20 |
| 38 | Simple iodoalkyne-based organocatalysts for the activation of carbonyl compounds. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1594-1601. | 2.8 | 19 |
| 39 | Roof-Shaped Pyrazaboles as a Structural Motif for Bent-Core Liquid Crystals. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5175-5177. | 13.8 | 18 |
| 40 | On the reaction of anthranilic acid with thionyl chloride: The actual structure of â€œkametani's sulfonamide anhydrideâ€“. <i>Tetrahedron Letters</i> , 1991, 32, 3263-3264. | 1.4 | 17 |
| 41 | The first allylic alcohol derivatives of tetrathiafulvalene. A route to new covalently linked donors. <i>Tetrahedron Letters</i> , 1995, 36, 4319-4322. | 1.4 | 17 |
| 42 | 1,3-Dipolar cycloaddition between N-benzyl-C-glycosyl nitrones and methyl acrylate en route to glycosyl pyrrolidines. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 3731-3743. | 1.8 | 17 |
| 43 | Direct exfoliation of layered zeolite Nu-6(1). <i>Microporous and Mesoporous Materials</i> , 2011, 142, 122-129. | 4.4 | 16 |
| 44 | Two-Dimensional Arrangements of Bis(haloethynyl)benzenes Combining Halogen and Hydrogen Interactions. <i>Crystal Growth and Design</i> , 2017, 17, 6212-6223. | 3.0 | 16 |
| 45 | Inertness of the [Re6Se5Cl3]5+ cluster core to substitution by OH- in organic solutions: synthesis, structural and liquid secondary ion mass spectroscopy characterization of K(H2O)2[Re6Se5Cl9] and (n-Bu4N)[Re6Se5Cl9] and the crystal structure of (n-Bu4N)2[Re6Se6Cl8]. <i>New Journal of Chemistry</i> , 2001, 25, 737-740. | 2.8 | 13 |
| 46 | Crystallization of an Achiral Cyclohexanone Ethylene Ketal in Enantiomorphs and Determination of the Absolute Structure. <i>Journal of the American Chemical Society</i> , 2010, 132, 7862-7863. | 13.7 | 13 |
| 47 | Useful Wittig reagents in 1,3-dithiole and tetrathiafulvalene (TTF) chemistry: 2-thioxo- and 2-oxo-1,3-dithiol-4-ylmethyl(triphenyl)phosphonium bromides. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 1711. | 0.9 | 12 |
| 48 | Synthesis of \hat{L},\hat{L} -Disubstituted \hat{L} -Amino Acid Derivatives in Enantiopure Form via Stereoselective Addition of Grignard Reagents to a Chiral Acyclic Nitron Derived from L-Erythulose. <i>Synlett</i> , 2002, 2002, 0711-0714. | 1.8 | 9 |
| 49 | From diiodo TrÃ¶ger's bases towards halogen-bonded porous organic crystalline materials. <i>CrystEngComm</i> , 2018, 20, 3167-3170. | 2.6 | 9 |
| 50 | Supramolecular arrangements based on cyclohexane-5-spirohydantoin derivatives. <i>CrystEngComm</i> , 2010, 12, 3132. | 2.6 | 8 |
| 51 | Controlling the Crystal Growth of Dodecasil 3C by Buffering with DL-Histidine. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4915-4919. | 2.0 | 5 |
| 52 | Supramolecular hydrogen-bonding patterns in 4â€“substituted cyclohexane-5-spirohydantoin. <i>CrystEngComm</i> , 2012, 14, 3759. | 2.6 | 5 |
| 53 | A Facile Method to Determine the Absolute Structure of Achiral Molecules: Supramolecularâ€“Tilt Structures. <i>Chemistry - A European Journal</i> , 2013, 19, 6044-6051. | 3.3 | 5 |
| 54 | Chiral supramolecular organization from a sheet-like achiral gel: a study of chiral photoinduction. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13622-13628. | 2.8 | 5 |

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|----|--|-----|-----------|
| 55 | 4,4-(5 ²)-Disubstituted tetrathiafulvalenes and systems with extended conjugation incorporating TTF spacers. <i>Synthetic Metals</i> , 1995, 70, 1111-1112. | 3.9 | 4 |
| 56 | New multi-stage redox assemblies incorporating TTF, EDT-TTF and ferrocene moieties. <i>Synthetic Metals</i> , 1995, 70, 1113-1114. | 3.9 | 4 |
| 57 | Polyfluorinated derivatives in the tetrathiafulvalene (TTF) series. <i>Synthetic Metals</i> , 1995, 70, 1159-1160. | 3.9 | 3 |
| 58 | Interaction of half-sandwich alkylmolybdenum(III) complexes with B(C ₆ F ₅) ₃ . The X-ray structure of [CpMo(η -4-C ₄ H ₆)(η -Cl)(η -CH ₂)(O)MoCp][CH ₃ B(C ₆ F ₅) ₃]. <i>Journal of Organometallic Chemistry</i> , 2001, 640, 113-120. | 1.8 | 3 |
| 59 | Interplay between non-covalent interactions in 1D supramolecular polymers based on 1,4-bis(iodoethynyl)benzene. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3531-3542. | 2.8 | 3 |
| 60 | The combination of halogen and hydrogen bonding: a versatile tool in coordination chemistry. <i>CrystEngComm</i> , 2020, 22, 6010-6018. | 2.6 | 2 |
| 61 | μ -3-Imidofunktionalisierte Molekülcluster vom Chevrel-Sergent-Typ, eine neue Klasse von anorganisch-organischen Hybridverbindungen: Herstellung und Alkylierungsreaktionen. <i>Angewandte Chemie</i> , 1996, 108, 1631-1634. | 2.0 | 0 |
| 62 | Heterodimetallic Chalcogen-Bridged Cubane-Type Clusters of Molybdenum and Tungsten Containing First-Row Transition Metals. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 0 |
| 63 | Nucleophilic additions of chiral non-racemic enolates to N-benzyl-C-(alkoxymethyl) nitrones. <i>Arkivoc</i> , 2004, 2004, 48-58. | 0.5 | 0 |