

ViÅ;nja Vrdoljak

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Counter Anion Effects on the Formation and Structural Transformations of Mo(vi)-Hydrazone Coordination Assemblies: Salts, Solvates, Co-Crystals, and Neutral Complexes. <i>Crystals</i> , 2022, 12, 443. | 1.0 | 1 |
| 2 | Alcohol Oxidation Assisted by Molybdenum Hydrazonato Catalysts Employing Hydroperoxide Oxidants. <i>Catalysts</i> , 2021, 11, 881. | 1.6 | 9 |
| 3 | Implication of oxidant activation on olefin epoxidation catalysed by Molybdenum catalysts with aroylhydrazonato ligands: Experimental and theoretical studies. <i>Molecular Catalysis</i> , 2021, 512, 111764. | 1.0 | 9 |
| 4 | Extending the structural landscape of Mo(vi) hydrazonato inorganic-organic POM-hybrids: an experimental and computational study. <i>CrystEngComm</i> , 2021, 23, 6349-6358. | 1.3 | 4 |
| 5 | The role of mono- and dicarboxylic acids in the building of oxomolybdates containing {MoO ₄ }, {Mo ₂ O ₅ }, {Mo ₂ O ₆ }, {Mo ₃ O ₈ }, {Mo ₅ O ₁₇ }, {Mo ₅ O ₁₈ }, {Mo ₈ O ₂₆ }, and {SiMo ₁₂ O ₄₀ } units. <i>New Journal of Chemistry</i> , 2021, 45, 19764-19774. | 1.4 | 1 |
| 6 | Effective methods for the synthesis of hydrazones, quinazolines, and Schiff bases: reaction monitoring using a chemometric approach. <i>RSC Advances</i> , 2020, 10, 38566-38577. | 1.7 | 15 |
| 7 | Coordinating and supramolecular prospects of unsymmetrically substituted carbohydrazides. <i>New Journal of Chemistry</i> , 2020, 44, 13357-13367. | 1.4 | 3 |
| 8 | Tetranuclear molybdenum(vi) hydrazonato epoxidation (pre)catalysts: Is water always the best choice?. <i>Catalysis Communications</i> , 2020, 142, 106027. | 1.6 | 9 |
| 9 | Discrete and polymeric ensembles based on dinuclear molybdenum(^{vi}) building blocks with adaptive carbohydrazide ligands: from the design to catalytic epoxidation. <i>New Journal of Chemistry</i> , 2020, 44, 8085-8097. | 1.4 | 9 |
| 10 | Directing role of the synthetic route on the self-assembly process of MoO ₄ ²⁻ units to Mo ₇ O ₂₄ ⁶⁻ or Mo ₂₂ O ₇₄ ¹⁶⁻ ions. <i>Inorganica Chimica Acta</i> , 2020, 510, 119765. | 1.2 | 3 |
| 11 | Hydrothermal Reactions of [Co ^{III}](C ₂ O ₄)(NH ₃) ₄ ⁺ and Polyoxomolybdates: Depolymerization of Polyoxomolybdates and in Situ Reduction of Cobalt. <i>Crystal Growth and Design</i> , 2019, 19, 6763-6773. | 1.4 | 6 |
| 12 | Discrete mononuclear and dinuclear compounds containing a MoO ₂ ²⁺ core and 4-aminobenzhydrazone ligands: synthesis, structure and organic-solvent-free epoxidation activity. <i>New Journal of Chemistry</i> , 2019, 43, 1791-1802. | 1.4 | 26 |
| 13 | [Mo ₇ O ₂₄](1/4-Mo ₈ O ₂₆)Mo ₇ O ₂₄ ¹⁶⁻ and [Co(en) ₃] ₂ [NaMo ₇ O ₂₄]Cl·nH ₂ O and [Co(en) ₃] ₂ [NaMo ₇ O ₂₄]Cl·nH ₂ O. <i>New Journal of Chemistry</i> , 2019, 43, 1791-1802. | 1.6 | 12 |
| 14 | Molybdenum(^{vi}) complexes of hemilabile aroylhydrazone ligands as efficient catalysts for greener cyclooctene epoxidation: an experimental and theoretical approach. <i>New Journal of Chemistry</i> , 2019, 43, 5531-5542. | 1.4 | 29 |
| 15 | Geometrically Constrained Molybdenum(VI) Metallosupramolecular Architectures: Conventional Synthesis versus Vapor and Thermally Induced Solid-State Structural Transformations. <i>Crystal Growth and Design</i> , 2019, 19, 3000-3011. | 1.4 | 13 |
| 16 | Vapour- and solvent-mediated crystalline transformations in Mo(vi) hydrazone complexes controlled by noncovalent interactions. <i>CrystEngComm</i> , 2019, 21, 6281-6292. | 1.3 | 3 |
| 17 | Mechanochemical synthesis of (poly)oxalatomolybdates: In situ reaction monitoring by PXRD. <i>Inorganica Chimica Acta</i> , 2019, 488, 80-85. | 1.2 | 3 |
| 18 | Symmetrical disubstituted carbohydrazides: From solid-state structures to cytotoxic and antibacterial activity. <i>Journal of Molecular Structure</i> , 2019, 1178, 222-228. | 1.8 | 5 |

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|----|--|-----|-----------|
| 19 | Supramolecular assembly of oxalatomolybdates controlled by the hydrogen bonding potential of Co(III)-ammine cations. <i>CrystEngComm</i> , 2018, 20, 1889-1898. | 1.3 | 8 |
| 20 | Design of mononuclear, binuclear and polynuclear molybdenum(VI) complexes based on ONO benzoylacetone derived enaminones and their in vitro biological activity. <i>Polyhedron</i> , 2018, 145, 70-79. | 1.0 | 16 |
| 21 | Comparative studies on conventional and solvent-free synthesis toward hydrazones: application of PXRD and chemometric data analysis in mechanochemical reaction monitoring. <i>CrystEngComm</i> , 2018, 20, 1804-1817. | 1.3 | 13 |
| 22 | Novel enaminones as non-cytotoxic compounds with mild antibacterial activity: Synthesis and structure-activity correlations. <i>Journal of Molecular Structure</i> , 2018, 1154, 636-642. | 1.8 | 10 |
| 23 | An integrated approach (synthetic, structural and biological) to the study of aroylhydrazone salts. <i>New Journal of Chemistry</i> , 2018, 42, 11697-11707. | 1.4 | 3 |
| 24 | Intriguing binding modes of tetradentate pyridoxal derivatives to molybdenum centre. <i>Polyhedron</i> , 2017, 127, 337-344. | 1.0 | 5 |
| 25 | Copper(II) complexes with benzhydrazone-related ligands: synthesis, structural studies and cytotoxicity assay. <i>New Journal of Chemistry</i> , 2017, 41, 2425-2435. | 1.4 | 29 |
| 26 | Kinetics and mechanism of the formation of Co(III)(salen-type) complexes containing a nonstabilized pyridinium ylide as axial ligand: Computational and experimental studies. <i>Journal of Organometallic Chemistry</i> , 2017, 852, 27-33. | 0.8 | 2 |
| 27 | Dioxotungsten(VI) complexes with isoniazid-related hydrazones as (pre)catalysts for olefin epoxidation: solvent and ligand substituent effects. <i>RSC Advances</i> , 2016, 6, 36384-36393. | 1.7 | 17 |
| 28 | Copper(II) hydrazone complexes with different nuclearities and geometries: synthetic methods and ligand substituent effects. <i>New Journal of Chemistry</i> , 2016, 40, 9263-9274. | 1.4 | 17 |
| 29 | Dioxidomolybdenum(VI) complexes with isoniazid-related hydrazones: solution-based, mechanochemical and UV-light assisted deprotonation. <i>New Journal of Chemistry</i> , 2015, 39, 7322-7332. | 1.4 | 20 |
| 30 | Cobalt(III) complexes with tridentate hydrazone ligands: protonation state and hydrogen bond competition. <i>RSC Advances</i> , 2015, 5, 104870-104883. | 1.7 | 17 |
| 31 | Dioxomolybdenum(VI) and dioxotungsten(VI) complexes chelated with the ONO tridentate hydrazone ligand: synthesis, structure and catalytic epoxidation activity. <i>New Journal of Chemistry</i> , 2014, 38, 6176-6185. | 1.4 | 51 |
| 32 | Pyridoxal hydrazone molybdenum(VI) complexes: assembly, structure and epoxidation (pre)catalyst testing under solvent-free conditions. <i>RSC Advances</i> , 2014, 4, 39000. | 1.7 | 32 |
| 33 | A Novel Series of Co(III)(salen-type) Complexes Containing a Seven-Membered Metallacycle: Synthesis, Structural Characterization and Factors Affecting the Metallacyclization Rate. <i>Organometallics</i> , 2014, 33, 909-920. | 1.1 | 6 |
| 34 | Three Polymorphic Forms of a Monomeric Mo(VI) Complex: Building Blocks for Two Metal-Organic Supramolecular Isomers. Intermolecular Interactions and Ligand Substituent Effects. <i>Crystal Growth and Design</i> , 2013, 13, 3773-3784. | 1.4 | 35 |
| 35 | Synthesis, characterization, and electrochemical properties of a new series of inorganic and organometallic Co(III) complexes with a Schiff base ligand derived from tyrosine. <i>Inorganica Chimica Acta</i> , 2012, 387, 93-99. | 1.2 | 13 |
| 36 | Charged dioxomolybdenum(VI) complexes with pyridoxal thiosemicarbazone ligands as molybdenum(V) precursors in oxygen atom transfer process and epoxidation (pre)catalysts. <i>Polyhedron</i> , 2012, 33, 441-449. | 1.0 | 67 |

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|----|---|-----|-----------|
| 37 | Supramolecular Hexagon and Chain Coordination Polymer Containing the MoO ₂ Core: Structural Transformation in the Solid State. <i>Crystal Growth and Design</i> , 2011, 11, 1244-1252. | 1.4 | 47 |
| 38 | Hybrid organic-inorganic compounds based on the Lindqvist polyoxomolybdate and dioxomolybdenum(VI) complexes. <i>CrystEngComm</i> , 2011, 13, 4382. | 1.3 | 24 |
| 39 | Epoxidation Processes by Pyridoxal Dioxomolybdenum(VI) (Pre)Catalysts Without Organic Solvent. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2910-2914. | 2.1 | 57 |
| 40 | Synthesis and characterisation of dinuclear oxomolybdenum(V) complexes with thienyl carboxylate ligands. <i>Inorganica Chimica Acta</i> , 2010, 363, 3516-3522. | 1.2 | 5 |
| 41 | Synthesis and characterisation of thiosemicarbazato molybdenum(VI) complexes and their in vitro antitumor activity. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 38-48. | 2.6 | 64 |
| 42 | Matrix Interactions in Biomineralization: Aragonite Nucleation by an Intrinsically Disordered Nacre Polypeptide, n16N, Associated with a Î²-Chitin Substrate. <i>Crystal Growth and Design</i> , 2010, 10, 1383-1389. | 1.4 | 60 |
| 43 | Zigzag Chain, Square Tetranuclear, and Polyoxometalate-Based Inorganic-Organic Hybrid Compounds - Molybdenum vs Tungsten. <i>Crystal Growth and Design</i> , 2010, 10, 1373-1382. | 1.4 | 38 |
| 44 | Synthesis and Structure of cis-Dioxo(3-Methoxysalicylaldehyde) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (4-Methylthiosemicarbazato) Complexes. <i>Crystallography</i> , 2009, 39, 553-557. | 0.5 | 8 |
| 45 | Synthesis, Structure and Characterization of Dinuclear Pentacoordinate Molybdenum(V) Complexes with Thiosemicarbazone Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1242-1248. | 0.6 | 12 |
| 46 | Novel dioxomolybdenum(VI) and oxomolybdenum(V) complexes with pyridoxal thiosemicarbazone ligands: Synthesis and structural characterisation. <i>Inorganica Chimica Acta</i> , 2009, 362, 4059-4064. | 1.2 | 28 |
| 47 | Synthesis, structure and properties of eight novel molybdenum(VI) complexes of the types: [MoO ₂ LD] and [MoO ₂ L ₂] (L=thiosemicarbazato ligand, D=N-donor molecule). <i>Polyhedron</i> , 2009, 28, 959-965. | 1.0 | 14 |
| 48 | Novel thiosemicarbazone derivatives as potential antitumor agents: Synthesis, physicochemical and structural properties, DNA interactions and antiproliferative activity. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5189-5198. | 1.4 | 168 |
| 49 | Synthesis of novel molybdenum(V) complexes: Structural characterization of two thiosemicarbazato complexes [MoOCl ₂ {C ₆ H ₄ (O)CH:NNHC:SNHC ₆ H ₅ }] and [MoOCl ₂ {C ₁₀ H ₆ (O)CH:NNHC:SNHC ₆ H ₅ }]·CH ₃ CN, and two oxohalomolybdates NH ₄ [MoOCl ₄ (CH ₃ CN)] and [C ₅ H ₅ NH] ₂ [MoOCl ₅ ·CH ₂ Cl ₂ . <i>Polyhedron</i> , 2007, 26, 3363-3372. | 1.0 | 16 |
| 50 | Synthesis and characterization of some mono- and dinuclear molybdenum(VI) thiosemicarbazato complexes. <i>Polyhedron</i> , 2005, 24, 369-376. | 1.0 | 53 |
| 51 | Synthesis of five new molybdenum(VI) thiosemicarbazato complexes. Crystal structures of salicylaldehyde and 3-methoxy-salicylaldehyde 4-methylthiosemicarbazones and their molybdenum(VI) complexes. <i>Polyhedron</i> , 2005, 24, 1717-1726. | 1.0 | 65 |
| 52 | A Series of New Molybdenum(VI) Complexes with theONS Donor Thiosemicarbazone Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 928-936. | 0.6 | 30 |
| 53 | Synthesis, Characterization, and Crystal Structure of Mononuclear and Dinuclear Dioxomolybdenum(VI) Complexes with Tridentate Schiff-base Ligands. Part 2. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 585-590. | 0.6 | 27 |
| 54 | The new molybdenum(V) complexes with differently N-substituted Î²-hydroxy-Î²-enaminones. <i>Inorganica Chimica Acta</i> , 2004, 357, 931-938. | 1.2 | 13 |

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|----|--|-----|-----------|
| 55 | Synthesis, characterization and crystal structures of molybdenum(VI) and (V) complexes with differently N-substituted β -hydroxy- β -enaminones. <i>Polyhedron</i> , 2004, 23, 1859-1868. | 1.0 | 7 |
| 56 | Synthesis and characterization of two dehydroacetic acid derivatives and molybdenum(V) complexes: an NMR and crystallographic study. <i>Journal of Molecular Structure</i> , 2004, 701, 111-118. | 1.8 | 17 |
| 57 | Synthesis, molecular structure, and characterization in solution of a new series of inorganic and organometallic Co(III) Schiff base complexes. <i>Inorganica Chimica Acta</i> , 2003, 349, 239-248. | 1.2 | 47 |
| 58 | New β Cis Folded Organocobalt Derivatives with a Salen-Type Ligand. <i>Inorganic Chemistry</i> , 2003, 42, 6805-6811. | 1.9 | 26 |
| 59 | Synthesis of Molybdovanadates Coordinated by Oxalato Ligands. The Crystal Structure of $K_6[Mo_6V_2O_{24}(C_2O_4)_2] \cdot 6H_2O$. <i>Journal of Coordination Chemistry</i> , 2002, 55, 705-710. | 0.8 | 8 |
| 60 | New Dinuclear Molybdenum(V) Complexes With β -Hydroxy- β -enaminones Containing a 4-Hydroxy-2-pyrone Ring. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 2128-2137. | 1.0 | 18 |
| 61 | Synthesis and characterization of some new acetato complexes of molybdenum(IV), (V) and (VI).. <i>Polyhedron</i> , 2002, 21, 147-153. | 1.0 | 8 |
| 62 | Synthesis and characterization of new dinuclear complexes of molybdenum(V) with β -hydroxy- β -enaminones. <i>Inorganica Chimica Acta</i> , 2002, 328, 23-32. | 1.2 | 24 |
| 63 | A Molecular Box Derived from Cobaloxime Units Held Together by 4-Pyridinylboronic Acid Residues. <i>Inorganic Chemistry</i> , 2001, 40, 5536-5540. | 1.9 | 23 |
| 64 | Synthesis, structure and properties of molybdenum(VI) oxalate complexes of the types $M_2[Mo_2O_5(C_2O_4)_2(H_2O)_2]$ and $M_2[MoO_3(C_2O_4)]$ (M=Na, K, Rb, Cs). <i>Inorganica Chimica Acta</i> , 2000, 304, 260-267. | 1.2 | 32 |
| 65 | Synthesis and structures of ammonium and tetraphenylphosphonium salts of β -oxo-diaquadioxalatotetraoxodimolybdenum(VI). An interesting example of intramolecular hydrogen bonds within the dimeric anion. <i>Inorganica Chimica Acta</i> , 2000, 309, 77-81. | 1.2 | 8 |
| 66 | Hexanuclear complexes of molybdenum(V) containing $[Mo_6O_{12}(OCH_3)_4(acac)_3]^{6-}$ anion. <i>Polyhedron</i> , 2000, 19, 1471-1478. | 1.0 | 8 |
| 67 | Synthesis and characterization of a series of new thiocarboxylate complexes of molybdenum(V). <i>Inorganica Chimica Acta</i> , 1999, 284, 223-228. | 1.2 | 5 |
| 68 | Title is missing!. <i>Structural Chemistry</i> , 1998, 9, 353-358. | 1.0 | 4 |
| 69 | Molybdenum(V) and molybdenum(IV) complexes with trifluorothioacetylacetone. X-ray structure of $[Mo_2O_3\{CF_3C(O)CHC(S)CH_3\}_4]$. <i>Inorganic Chemistry Communication</i> , 1998, 1, 237-238. | 1.8 | 3 |
| 70 | New dinuclear thiobenzoato complexes of molybdenum(V) containing $Mo_2O_2S_2$ core. X-ray crystal structures of $[Mo_2O_2S_2(OSCC_6H_5)_2(py)_2]$ and $[Mo_2O_2S_2(OSCC_6H_5)_2(\beta\text{-pic})_2] \cdot 2H_2O$. <i>Polyhedron</i> , 1998, 17, 1.0 3321-3325. | 1.0 | 6 |
| 71 | A 1:2 Adduct of Tetrakis(β -thiobenzoato-O,S)dimolybdenum(II) ($Mo^{\text{II}}Mo$) with Triphenylphosphine Oxide, $[Mo_2(C_7H_5OS)_4] \cdot 2[(C_6H_5)_3OP]$. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1996, 52, 3016-3018. | 0.4 | 6 |