

# Sandra Gago

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7286779/publications.pdf>

Version: 2024-02-01

67  
papers

1,788  
citations

172207

29  
h-index

288905

40  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1888  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Highly Luminescent Tris(β <sup>2</sup> -diketonate)europium(III) Complexes Immobilized in a Functionalized Mesoporous Silica. <i>Chemistry of Materials</i> , 2005, 17, 5077-5084.   | 3.2 | 172       |
| 2  | Immobilization of Lanthanide Ions in a Pillared Layered Double Hydroxide. <i>Chemistry of Materials</i> , 2005, 17, 5803-5809.   | 3.2 | 89        |
| 3  | Immobilization of Oxomolybdenum Species in a Layered Double Hydroxide Pillared by 2,2'-Bipyridine-5,5'-dicarboxylate Anions. <i>Inorganic Chemistry</i> , 2004, 43, 5422-5431.   | 1.9 | 74        |
| 4  | Preparation and photophysical characterisation of Zn-Al layered double hydroxides intercalated by anionic pyrene derivatives. <i>Journal of Materials Chemistry</i> , 2008, 18, 894.   | 6.7 | 70        |
| 5  | Investigation of Molybdenum Tetracarbonyl Complexes As Precursors to Mo <sup>VI</sup> Catalysts for the Epoxidation of Olefins. <i>Organometallics</i> , 2010, 29, 883-892.  | 1.1 | 57        |
| 6  | Synthesis, Structure, and Catalytic Performance in Cyclooctene Epoxidation of a Molybdenum Oxide/Bipyridine Hybrid Material: {[MoO <sub>3</sub> (bipy)] [MoO <sub>3</sub> (H <sub>2</sub> O)]} <sub>n</sub> . <i>Inorganic Chemistry</i> , 2010, 49, 6865-6873.  | 1.9 | 57        |
| 7  | Oxidative desulfurization strategies using Keggin-type polyoxometalate catalysts: Biphasic versus solvent-free systems. <i>Catalysis Today</i> , 2019, 333, 226-236.   | 2.2 | 53        |
| 8  | Dynamics of short as compared with long poly(acrylic acid) chains hydrophobically modified with pyrene, as followed by fluorescence techniques. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1370-1385.   | 1.3 | 49        |
| 9  | Amino acid-functionalized cyclopentadienyl molybdenum tricarbonyl complex and its use in catalytic olefin epoxidation. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1826-1833.  | 0.8 | 47        |
| 10 | Synthesis, characterization and catalytic studies of bis(chloro)dioxomolybdenum(VI)-chiral diimine complexes. <i>Journal of Molecular Catalysis A</i> , 2005, 236, 1-6.  | 4.8 | 45        |
| 11 | Catalytic Epoxidation and Sulfoxidation Activity of a Dioxomolybdenum(VI) Complex Bearing a Chiral Tetradentate Oxazoline Ligand. <i>Catalysis Letters</i> , 2009, 132, 94-103.  | 1.4 | 44        |
| 12 | Synthesis and Catalytic Properties of Molybdenum(VI) Complexes with Tris(3,5-dimethyl-1-pyrazolyl)methane. <i>Inorganic Chemistry</i> , 2011, 50, 3490-3500.   | 1.9 | 44        |
| 13 | Incorporation of a (Cyclopentadienyl)molybdenum Oxo Complex in MCM-41 and Its Use as a Catalyst for Olefin Epoxidation. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4914-4920.  | 1.0 | 42        |
| 14 | Comparison of liquid-phase olefin epoxidation catalysed by dichlorobis-(dimethylformamide)dioxomolybdenum(VI) in homogeneous phase and grafted onto MCM-41. <i>Journal of Molecular Catalysis A</i> , 2009, 297, 110-117.  | 4.8 | 42        |
| 15 | Synthesis and Catalytic Properties in Olefin Epoxidation of Octahedral Dichloridodioxidomolybdenum(VI) Complexes Bearing N,N'-Dialkylamide Ligands: Crystal Structure of [Mo <sub>2</sub> O <sub>4</sub> ( $\frac{1}{4}$ Cl <sub>2</sub> (dmf) <sub>4</sub> ]. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4528-4537. | 1.0 | 39        |
| 16 | Mesoporous nanosilica-supported polyoxomolybdate as catalysts for sustainable desulfurization. <i>Microporous and Mesoporous Materials</i> , 2019, 275, 163-171.   | 2.2 | 39        |
| 17 | Desulfurization process conciliating heterogeneous oxidation and liquid extraction: Organic solvent or centrifugation/water?. <i>Applied Catalysis A: General</i> , 2017, 542, 359-367.  | 2.2 | 37        |
| 18 | Large-pore silica spheres as support for samarium-coordinated undecamolybdophosphate: Oxidative desulfurization of diesels. <i>Fuel</i> , 2020, 259, 116213.   | 3.4 | 37        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Cyclopentadienyl molybdenum dicarbonyl $\eta^3$ -allyl complexes as catalyst precursors for olefin epoxidation. Crystal structures of $\text{Cp}^*\text{Mo}(\text{CO})_2(\eta^3\text{-C}_3\text{H}_5)$ ( $\text{Cp}^* = \eta^5\text{-C}_5\text{H}_4\text{Me}$ , $\eta^5\text{-C}_5\text{Me}_5$ ). <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2311-2319. | 0.8 | 36        |
| 20 | Microwave-assisted molybdenum-catalysed epoxidation of olefins. <i>Journal of Molecular Catalysis A</i> , 2010, 320, 19-26.  | 4.8 | 36        |
| 21 | Contrasting $\text{pK}_a$ Shifts in Cucurbit[7]uril Host-Guest Complexes Governed by an Interplay of Hydrophobic Effects and Electrostatic Interactions. <i>ACS Omega</i> , 2017, 2, 70-75.  | 1.6 | 36        |
| 22 | Heterogeneous oxidation catalysts formed in situ from molybdenum tetracarbonyl complexes and tert-butyl hydroperoxide. <i>Applied Catalysis A: General</i> , 2011, 395, 71-77.   | 2.2 | 34        |
| 23 | $\beta$ -Cyclodextrin and permethylated $\beta$ -cyclodextrin inclusion compounds of a cyclopentadienyl molybdenum tricarbonyl complex and their use as cyclooctene epoxidation catalyst precursors. <i>Inorganica Chimica Acta</i> , 2006, 359, 4757-4764.  | 1.2 | 33        |
| 24 | Catalytic olefin epoxidation with cationic molybdenum(VI) cis-dioxo complexes and ionic liquids. <i>Applied Catalysis A: General</i> , 2010, 372, 67-72.   | 2.2 | 33        |
| 25 | Effect of an Ionic Liquid on the Catalytic Performance of Thiocyanatodioxomolybdenum(VI) Complexes for the Oxidation of Cyclooctene and Benzyl Alcohol. <i>Catalysis Letters</i> , 2009, 129, 350-357.   | 1.4 | 32        |
| 26 | Picosecond Dynamics of Dimer Formation in a Pyrene Labeled Polymer. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12439-12447.   | 1.2 | 32        |
| 27 | Epoxidation of cyclooctene using soluble or MCM-41-supported molybdenum tetracarbonyl-pyridylimine complexes as catalyst precursors. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3543-3550.  | 0.8 | 31        |
| 28 | Synthesis and Properties of Zn-Al Layered Double Hydroxides Containing Ferrocenecarboxylate Anions. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1389-1395.  | 1.0 | 30        |
| 29 | Liquid-phase oxidation catalysed by copper(II) immobilised in a pillared layered double hydroxide. <i>Journal of Molecular Catalysis A</i> , 2009, 312, 23-30.   | 4.8 | 30        |
| 30 | Europium Polyoxometalates Encapsulated in Silica Nanoparticles - Characterization and Photoluminescence Studies. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2877-2886.   | 1.0 | 26        |
| 31 | Synthesis and characterization of a manganese(II) acetonitrile complex supported on functionalized MCM-41. <i>Microporous and Mesoporous Materials</i> , 2004, 76, 131-136.  | 2.2 | 25        |
| 32 | pH-Gated photoresponsive shuttling in a water-soluble pseudorotaxane. <i>Chemical Communications</i> , 2018, 54, 2743-2746.  | 2.2 | 25        |
| 33 | Effect of $\beta$ -cyclodextrin on the chemistry of 3,4,7-trihydroxyflavylium. <i>New Journal of Chemistry</i> , 2013, 37, 3166.   | 1.4 | 24        |
| 34 | Microwave-Assisted Synthesis and Crystal Structure of Oxo(diperoxo)(4,4'-di-tert-butyl-2,2'-bipyridine)-molybdenum(VI). <i>Molecules</i> , 2009, 14, 3610-3620.  | 1.7 | 22        |
| 35 | Synthesis and characterization of luminescent room temperature ionic liquids based on $\text{Ru}(\text{bpy})(\text{CN})_4^{2+}$ . <i>Dalton Transactions</i> , 2013, 42, 6213.   | 1.6 | 21        |
| 36 | A novel red emitting material based on polyoxometalate@periodic mesoporous organosilica. <i>Microporous and Mesoporous Materials</i> , 2016, 234, 248-256.   | 2.2 | 21        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Polyoxomolybdate based ionic-liquids as active catalysts for oxidative desulfurization of simulated diesel. <i>Polyhedron</i> , 2019, 170, 762-770.  | 1.0 | 20        |
| 38 | Flavylium based dual photochromism: addressing cis $\leftrightarrow$ trans isomerization and ring opening-closure by different light inputs. <i>Chemical Communications</i> , 2015, 51, 7349-7351.   | 2.2 | 16        |
| 39 | Immobilisation of methyltrioxorhenium on functionalised MCM-41. <i>Microporous and Mesoporous Materials</i> , 2006, 89, 284-290.   | 2.2 | 15        |
| 40 | Investigation of Layered Double Hydroxides Intercalated by Oxomolybdenum Catecholate Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 8674-8686.  | 1.9 | 15        |
| 41 | Cobalt( $\mu_3$ ) sepulchrate complexes: application as sustainable oxidative catalysts. <i>New Journal of Chemistry</i> , 2014, 38, 2500-2507.  | 1.4 | 13        |
| 42 | pH-Driven self-sorting in a four component host $\leftrightarrow$ guest system. <i>Chemical Communications</i> , 2017, 53, 6472-6475.  | 2.2 | 13        |
| 43 | Oxidation of Ethylbenzene in the Presence of an MCM-41-Supported or Ionic Liquid-Standing Bischlorocopper(II) Complex. <i>Catalysis Letters</i> , 2011, 141, 1009-1017.  | 1.4 | 12        |
| 44 | Crystal and supramolecular structures of dioxomolybdenum(VI) and dioxotungsten(VI) complexes of dihydroxybenzoic acids. <i>Polyhedron</i> , 2010, 29, 719-730.   | 1.0 | 9         |
| 45 | Photochromism of the complex between 4 $\beta$ -(2-hydroxyethoxy)-7-hydroxyflavylium and $\beta$ -cyclodextrin, studied by $^1\text{H}$ NMR, UV $\leftrightarrow$ Vis, continuous irradiation and circular dichroism. <i>Dyes and Pigments</i> , 2014, 110, 106-112. | 2.0 | 9         |
| 46 | Effect of Methyl, Hydroxyl, and Chloro Substituents in Position 3 of 3 $\beta$ ,4 $\beta$ ,7 $\beta$ -Trihydroxyflavylium: Stability, Kinetics, and Thermodynamics. <i>Chemistry - A European Journal</i> , 2016, 22, 12495-12505.                                   | 1.7 | 9         |
| 47 | Hybrid mesoporous silica grafted with photoisomerizable 2-hydroxychalcones. <i>Microporous and Mesoporous Materials</i> , 2013, 180, 40-47.  | 2.2 | 8         |
| 48 | Synthesis and characterization of layered double hydroxides intercalated by an oxomolybdenum complex. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1011-1015.   | 1.9 | 7         |
| 49 | Synthesis, characterization and photochromism of 3 $\beta$ -butoxyflavylium derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 244, 54-64.  | 2.0 | 7         |
| 50 | A blue 4 $\beta$ ,7-diaminoflavylium cation showing an extended pH range stability. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8920-8925.  | 1.3 | 7         |
| 51 | Boosting Antimicrobial Activity of Ciprofloxacin by Functionalization of Mesoporous Silica Nanoparticles. <i>Pharmaceutics</i> , 2021, 13, 218.  | 2.0 | 7         |
| 52 | Heterometallic complexes involving iron(ii) and rhenium(vii) centers connected by $\mu_4$ -oxido bridges. <i>Dalton Transactions</i> , 2009, , 10199.  | 1.6 | 6         |
| 53 | Unidirectional Switching between Two Flavylium Reaction Networks by the Action of Alternate Stimuli of Acid and Base.. <i>Journal of Physical Chemistry A</i> , 2012, 116, 372-380.  | 1.1 | 6         |
| 54 | Protonation, coordination chemistry, cyanometallate $\leftrightarrow$ supercomplex $\leftrightarrow$ formation and fluorescence chemosensing properties of a bis(2,2 $\beta$ -bipyridino)cyclophane receptor. <i>Dalton Transactions</i> , 2014, 43, 2437-2447.      | 1.6 | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | pH-Tunable Fluorescence and Photochromism of a Flavylum-Based MCM-41 Pigment. ACS Omega, 2017, 2, 122-126.   | 1.6 | 6         |
| 56 | Effect of $\beta$ -Cyclodextrin on the Multistate Species Distribution of 3-Methoxy-4,7-dihydroxyflavylum. Discrimination of the Two Hemiketal Enantiomers. Journal of Agricultural and Food Chemistry, 2017, 65, 6346-6358. | 2.4 | 5         |
| 57 | Hiding and unveiling trans-chalcone in a constrained derivative of 4,7-dihydroxyflavylum in water: a versatile photochromic system. Organic and Biomolecular Chemistry, 2017, 15, 338-347.                                   | 1.5 | 5         |
| 58 | Polyoxometalates-Based Ionic Liquids (POMs-ILs) for Electrochemical Applications. ChemistrySelect, 2020, 5, 12266-12271.   | 0.7 | 5         |
| 59 | 4-Carboxy-7-hydroxyflavylum. A Multistate System Involving Twelve Species Reversibly Interconverted by pH and Light Stimuli. Journal of Physical Chemistry A, 2014, 118, 4723-4731.  | 1.1 | 4         |
| 60 | Application of polyoxometalate-ionic liquids (POM-ILs) in dye-sensitized solar cells (DSSCs). Materials Letters: X, 2020, 6, 100033.   | 0.3 | 4         |
| 61 | Ionic Systems and Nanomaterials as Antiseptic and Disinfectant Agents for Surface Applications: A Review. Surfaces, 2021, 4, 169-190.  | 1.0 | 3         |
| 62 | Tripyridiniumcis-tetrachloridodioxidomolybdate(VI) chloride. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m862-m863.  | 0.2 | 2         |
| 63 | Intercalation of $(\eta^5\text{-Pentamethylcyclopentadienyl})\text{trioxomolybdenum(VI)}$ in a Layered Double Hydroxide. European Journal of Inorganic Chemistry, 2020, 2020, 2408-2416.                                     | 1.0 | 2         |
| 64 | Tetrapyridinium $\frac{1}{4}$ -oxido-di- $\frac{1}{4}$ -sulfato-bis[chloridodioxidomolybdate(VI)]. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m1005-m1006.  | 0.2 | 1         |
| 65 | A novel dinuclear $\text{Mo}^{\text{VI}}$ complex with tris(3,5-dimethyl-1 <i>H</i> -pyrazol-1-yl)methane. Acta Crystallographica Section C: Crystal Structure Communications, 2012, 68, m73-m75.                            | 0.4 | 1         |
| 66 | Ambipolar pentacyclic diamides with interesting electrochemical and optoelectronic properties. Chemical Communications, 2020, 56, 14893-14896.   | 2.2 | 0         |
| 67 | Mesoporous Silica Nanoparticles with Manganese and Lanthanides Salts: Synthesis, Characterization and Cytotoxicity studies. Dalton Transactions, 2021, 50, 8588-8599.  | 1.6 | 0         |