

# Fabio Marmottini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6623468/publications.pdf>

Version: 2024-02-01

70  
papers

3,095  
citations

147726

31  
h-index

155592

55  
g-index

74  
all docs

74  
docs citations

74  
times ranked

3814  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Development of sodium carboxymethyl cellulose based polymeric microparticles for in situ hydrogel wound dressing formation. <i>International Journal of Pharmaceutics</i> , 2021, 602, 120606.  | 2.6 | 18        |
| 2  | “Shake & Bake” Route to Functionalized Zr-UiO-66 Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2021, 60, 14294-14301.  | 1.9 | 20        |
| 3  | Extensive Screening of Green Solvents for Safe and Sustainable UiO-66 Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17154-17164.   | 3.2 | 41        |
| 4  | Iridium-Doped Nanosized Zn-Al Layered Double Hydroxides as Efficient Water Oxidation Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32736-32745.  | 4.0 | 24        |
| 5  | Dentifrice Based on Fluoride-Hydroxalcite Compounds: Characterization and Release Capacity Evaluation by Novel In Vitro Methods. <i>AAPS PharmSciTech</i> , 2019, 20, 248.  | 1.5 | 0         |
| 6  | Solvent-Free Synthetic Route for Cerium(IV) Metal-Organic Frameworks with UiO-66 Architecture and Their Photocatalytic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 45031-45037.   | 4.0 | 58        |
| 7  | Post Synthetic Defect Engineering of UiO-66 Metal-Organic Framework with An Iridium(III)-HEDTA Complex and Application in Water Oxidation Catalysis. <i>Inorganics</i> , 2019, 7, 123.  | 1.2 | 9         |
| 8  | On the evolution of proton conductivity of Aquivion membranes loaded with CeO <sub>2</sub> based nanofillers: Effect of temperature and relative humidity. <i>Journal of Membrane Science</i> , 2019, 574, 17-23.   | 4.1 | 19        |
| 9  | Zirconium potassium phosphate methyl and/or phenyl phosphonates as heterogeneous catalysts for Knoevenagel condensation under solvent free conditions. <i>Microporous and Mesoporous Materials</i> , 2018, 268, 251-259.  | 2.2 | 10        |
| 10 | Effects of different milling techniques on the layered double hydroxides final properties. <i>Applied Clay Science</i> , 2018, 151, 124-133.  | 2.6 | 13        |
| 11 | Resin-Based Materials with Chlorhexidine-Loaded MCM-41: Surface Characteristics, Drug Release, and Antibiofilm Activity. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 4144-4153.  | 2.6 | 6         |
| 12 | Triplet-triplet annihilation based upconversion in silica matrices. <i>Microporous and Mesoporous Materials</i> , 2017, 246, 120-129.   | 2.2 | 11        |
| 13 | Mixed Membrane Matrices Based on Nafion/UiO-66/SO <sub>3</sub> H-UiO-66 Nano-MOFs: Revealing the Effect of Crystal Size, Sulfonation, and Filler Loading on the Mechanical and Conductivity Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 42239-42246.                                       | 4.0 | 90        |
| 14 | Chlorhexidine-loaded functionalized mesoporous MCM-41 poly(methylmethacrylate) based composites with Candida antibiofilm activity. <i>RSC Advances</i> , 2015, 5, 84827-84835.  | 1.7 | 6         |
| 15 | The first route to highly stable crystalline microporous zirconium phosphonate metal-organic frameworks. <i>Chemical Communications</i> , 2014, 50, 14831-14834.  | 2.2 | 96        |
| 16 | Chitosan films containing mesoporous SBA-15 supported silver nanoparticles for wound dressing. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6054.   | 2.9 | 75        |
| 17 | Adsorptive removal of H <sub>2</sub> S in biogas conditions for high temperature fuel cell systems. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 21753-21766.  | 3.8 | 68        |
| 18 | Solventless Supramolecular Chemistry via Vapor Diffusion of Volatile Small Molecules upon a New Trinuclear Silver(I)-Nitrated Pyrazolate Macrometallo-cyclic Solid: An Experimental/Theoretical Investigation of the Dipole/Quadrupole Chemisorption Phenomena. <i>Inorganic Chemistry</i> , 2013, 52, 14124-14137. | 1.9 | 42        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Gas phase photocatalytic efficiency of TiO <sub>2</sub> powders evaluated by acetone photodegradation. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 268, 1-6.  | 2.0 | 25        |
| 20 | Amorphous carbamazepine stabilization by the mesoporous silicate SBA-15. Microporous and Mesoporous Materials, 2013, 177, 1-7.   | 2.2 | 30        |
| 21 | Mesoporous Silicate MCM-41 as a Particulate Carrier for Octyl Methoxycinnamate: Sunscreen Release and Photostability. Journal of Pharmaceutical Sciences, 2013, 102, 1468-1475.  | 1.6 | 39        |
| 22 | Oxybenzone Entrapped in Mesoporous Silicate MCM-41. Journal of Pharmaceutical Innovation, 2013, 8, 212-217.  | 1.1 | 13        |
| 23 | Solvent dependent synthesis of micro- and nano- crystalline phosphinate based 1D tubular MOF: structure and CO <sub>2</sub> adsorption selectivity. CrystEngComm, 2012, 14, 7170.  | 1.3 | 49        |
| 24 | Production of nitric oxide by human salivary peroxidase and by bovine lactoperoxidase. Journal of Biochemical and Molecular Toxicology, 2012, 26, 87-93.   | 1.4 | 8         |
| 25 | Use of SBA-15 for furosemide oral delivery enhancement. European Journal of Pharmaceutical Sciences, 2012, 46, 43-48.  | 1.9 | 60        |
| 26 | Integrated single particle-bulk chemical approach for the characterization of local and long range sources of particulate pollutants. Atmospheric Environment, 2012, 50, 267-277.  | 1.9 | 41        |
| 27 | MCM-41 for furosemide dissolution improvement. Microporous and Mesoporous Materials, 2012, 147, 343-349.   | 2.2 | 66        |
| 28 | New zirconium hydrogen phosphate alkyl and/or aryl phosphonates with high surface area as heterogeneous Brønsted acid catalysts for aza-Diels-Alder reaction in aqueous medium. Journal of Catalysis, 2011, 277, 80-87.                | 3.1 | 35        |
| 29 | Econazole Nitrate-Loaded MCM-41 for an Antifungal Topical Powder Formulation. Journal of Pharmaceutical Sciences, 2010, 99, 4738-4745.   | 1.6 | 33        |
| 30 | Photocatalytic Activity in CH <sub>3</sub> CN Related to the Surface Properties of TiO <sub>2</sub> Powders Prepared by Sol-Gel Method. International Journal of Photoenergy, 2009, 2009, 1-6.   | 1.4 | 4         |
| 31 | Chlorhexidine MCM-41 Mucoadhesive Tablets for Topical Use. Journal of Pharmaceutical Innovation, 2009, 4, 156-164.   | 1.1 | 13        |
| 32 | Hydrogen production by ethanol steam reforming over Ni catalysts derived from hydrotalcite-like precursors: Catalyst characterization, catalytic activity and reaction path. Applied Catalysis A: General, 2009, 355, 83-93.           | 2.2 | 127       |
| 33 | Role of mesoporous silicates on carbamazepine dissolution rate enhancement. Microporous and Mesoporous Materials, 2008, 113, 445-452.  | 2.2 | 64        |
| 34 | A snapshot of a coordination polymer self-assembly process: the crystallization of a metastable 3D network followed by the spontaneous transformation in water to a 2D pseudopolymorphic phase. Chemical Communications, 2008, , 6381. | 2.2 | 20        |
| 35 | Use of calcined Mg-Al-hydrotalcite to enhance the stability of celecoxib in the amorphous form. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 66, 253-259.   | 2.0 | 8         |
| 36 | Intercalation of acrylate anions into the galleries of Zn-Al layered double hydroxide. Journal of Physics and Chemistry of Solids, 2007, 68, 808-812.  | 1.9 | 32        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Mesoporous silicate MCM-41 containing organic ultraviolet ray absorbents: Preparation, photostability and in vitro release. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1173-1177.   | 1.9 | 16        |
| 38 | Improvement of dissolution rate of piroxicam by inclusion into MCM-41 mesoporous silicate. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 32, 216-222.                                     | 1.9 | 91        |
| 39 | An IR study of methanol steam reforming over ex-hydrotalcite Cu-Zn-Al catalysts. <i>Journal of Molecular Catalysis A</i> , 2007, 266, 188-197.   | 4.8 | 79        |
| 40 | Adsorption of Myoglobin onto Porous Zirconium Phosphate and Zirconium Benzenephosphonate Obtained with Template Synthesis. <i>Langmuir</i> , 2006, 22, 5064-5069.                                      | 1.6 | 34        |
| 41 | Methanol steam reforming over ex-hydrotalcite Cu-Zn-Al catalysts. <i>Applied Catalysis A: General</i> , 2006, 310, 70-78.  | 2.2 | 77        |
| 42 | Effect of MCM-41 on the dissolution rate of the poorly soluble plant growth regulator, the indole-3-butyric acid. <i>Microporous and Mesoporous Materials</i> , 2006, 96, 177-183.                     | 2.2 | 27        |
| 43 | Zirconium phosphate nanoparticles from water-in-oil microemulsions. <i>Colloid and Polymer Science</i> , 2006, 285, 19-25.   | 1.0 | 19        |
| 44 | Incorporation of Mg-Al hydrotalcite into a biodegradable Poly( $\epsilon$ -caprolactone) by high energy ball milling. <i>Polymer</i> , 2005, 46, 1601-1608.  | 1.8 | 107       |
| 45 | Cu-Zn-Al hydrotalcites as precursors of catalysts for the production of hydrogen from methanol. <i>Solid State Ionics</i> , 2005, 176, 2917-2922.  | 1.3 | 53        |
| 46 | Methods of preparation of novel composites of poly( $\epsilon$ -caprolactone) and a modified Mg/Al hydrotalcite. <i>Journal of Polymer Science Part A</i> , 2005, 43, 2281-2290.                       | 2.5 | 35        |
| 47 | Gels of zirconium phosphate in organic solvents and their use for the preparation of polymeric nanocomposites. <i>Journal of Materials Chemistry</i> , 2005, 15, 4262.                                 | 6.7 | 57        |
| 48 | Title is missing!. <i>Journal of Catalysis</i> , 2004, 228, 43-55.   | 3.1 | 10        |
| 49 | Title is missing!. <i>Journal of Catalysis</i> , 2004, 228, 56-65.   | 3.1 | 3         |
| 50 | Silica-zirconium phosphate-phosphoric acid composites: preparation, proton conductivity and use in gas sensors. <i>Solid State Ionics</i> , 2004, 166, 19-25.  | 1.3 | 16        |
| 51 | Selective liberation of NO from S-nitrosocysteine with potassium thiocyanate, as monitored by an amperometric sensor. <i>Archives of Biochemistry and Biophysics</i> , 2004, 432, 37-40.               | 1.4 | 0         |
| 52 | Layered Double Hydroxides as Supports for Norbornene Addition Polymerisation Catalysts. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2003, 58, 1069-1074.          | 0.3 | 1         |
| 53 | Synthesis and Characterization of Novel Alumina-Pillared $\gamma$ -Zirconium Phosphates. <i>Langmuir</i> , 2001, 17, 3769-3775.  | 1.6 | 8         |
| 54 | Preparation of a composite $\gamma$ -zirconium phosphate-silica with large specific surface and its first characterisation as acid catalyst. <i>Applied Catalysis A: General</i> , 2001, 218, 219-228. | 2.2 | 27        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Microporous material from kanemite for drug inclusion and release. <i>Il Farmaco</i> , 2001, 56, 421-425.   | 0.9 | 8         |
| 56 | Insertion of Porous Chromia in $\hat{I}^3$ -Zirconium Phosphate and Its Catalytic Performance in the Oxidative Dehydrogenation of Propane. <i>Langmuir</i> , 2000, 16, 3317-3321.                                       | 1.6 | 7         |
| 57 | Formation of Aqueous Colloidal Dispersions of Exfoliated $\hat{I}^3$ -Zirconium Phosphate by Intercalation of Short Alkylamines. <i>Langmuir</i> , 2000, 16, 7663-7668.   | 1.6 | 31        |
| 58 | Intercalation Processes of n-Alkyl Monoamines in $\hat{I}^3$ -Zirconium Phosphate. <i>Langmuir</i> , 2000, 16, 4165-4170.   | 1.6 | 31        |
| 59 | Title is missing!. <i>Journal of Porous Materials</i> , 1999, 6, 299-305.   | 1.3 | 33        |
| 60 | New Synthetic Routes to Hydrotalcite-Like Compounds $\hat{a}^{\prime}$ Characterisation and Properties of the Obtained Materials. <i>European Journal of Inorganic Chemistry</i> , 1998, 1998, 1439-1446.               | 1.0 | 581       |
| 61 | Preparation and Preliminary Characterization of a Covalently Pillared Zirconium Phosphate-Diphosphonate with Interlayer Microporosity. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1594-1597. | 4.4 | 119       |
| 62 | Preparation of Layered $\hat{I}^3$ -Zirconium Phosphate with a Controlled Degree of Hydrolysis via Delamination Procedure. <i>Journal of Colloid and Interface Science</i> , 1993, 157, 513-515.                        | 5.0 | 25        |
| 63 | Zirconium Phosphite (3,3',5,5'-Tetramethylbiphenyl)diphosphonate, a Microporous, Layered, Inorganic-Organic Polymer. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 1357-1359.                   | 4.4 | 189       |
| 64 | Zirconium phosphite (3,3',5,5'-tetramethylbiphenyl)diphosphonat: ein mikroporöses anorganisch-organisches Polymer mit Schichtstruktur. <i>Angewandte Chemie</i> , 1993, 105, 1396-1398.                                 | 1.6 | 33        |
| 65 | Structure of layered $\hat{I}^3$ -zirconium phosphite and zirconium phosphate phosphites from X-ray powder diffraction data. <i>Microporous Materials</i> , 1993, 2, 41-54.   | 1.6 | 4         |
| 66 | Metal exchanged layered zirconium hydrogen phosphate as base catalyst of the Michael reaction. <i>Catalysis Letters</i> , 1993, 22, 333-336.  | 1.4 | 23        |
| 67 | Nitrogen Adsorption on Zirconium Bis Monohydrogenphosphate with $\hat{I}^3$ -Type Structure. , 1993, , 37-48.   |     | 2         |
| 68 | Intercalation of diamines into zirconium phosphate-phosphite: A layered compound with asymmetric layers. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1989, 7, 549-560.                            | 1.6 | 7         |
| 69 | Intercalation of $\hat{I}^3$ -alkyldiamines in layered $\hat{I}^3$ -zirconium phosphate and the inclusion behaviour of some of the intercalates obtained. <i>Journal of Inclusion Phenomena</i> , 1988, 6, 291-306.     | 0.6 | 44        |
| 70 | Ion Exchange and Intercalation Properties of Acid Salts of Zr(IV) with Two Different Functional Groups. , 1987, , 249-256.  |     | 1         |