

# Alessandro Di Michele

## List of Publications by Year in descending order

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135  
papers

3,444  
citations

136885

32  
h-index

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g-index

135  
all docs

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docs citations

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times ranked

4814  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Biocompatible Polymer Nanoparticles for Drug Delivery Applications in Cancer and Neurodegenerative Disorder Therapies. <i>Journal of Functional Biomaterials</i> , 2019, 10, 4.  | 1.8  | 291       |
| 2  | Photocatalytic degradation of acetone, acetaldehyde and toluene in gas-phase: Comparison between nano and micro-sized TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2014, 146, 123-130.                               | 10.8 | 178       |
| 3  | Ni/SiO <sub>2</sub> and Ni/ZrO <sub>2</sub> catalysts for the steam reforming of ethanol. <i>Applied Catalysis B: Environmental</i> , 2012, 117-118, 384-396.  | 10.8 | 114       |
| 4  | Ni/ZrO <sub>2</sub> catalysts in ethanol steam reforming: Inhibition of coke formation by CaO-doping. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 12-20.  | 10.8 | 111       |
| 5  | Photoactive TiO <sub>2</sub> @montmorillonite composite for degradation of organic dyes in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 295, 57-63.   | 2.0  | 103       |
| 6  | Integration of Solid Oxide Electrolyzer and Fischer-Tropsch: A sustainable pathway for synthetic fuel. <i>Applied Energy</i> , 2016, 162, 308-320.   | 5.1  | 95        |
| 7  | Nickel Catalysts Supported Over TiO <sub>2</sub> , SiO <sub>2</sub> and ZrO <sub>2</sub> for the Steam Reforming of Glycerol. <i>ChemCatChem</i> , 2013, 5, 294-306.   | 1.8  | 79        |
| 8  | Silica and zirconia supported catalysts for the low-temperature ethanol steam reforming. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 257-267.   | 10.8 | 79        |
| 9  | Steam reforming of ethanol over Ni/MgAl <sub>2</sub> O <sub>4</sub> catalysts. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 952-964.  | 3.8  | 67        |
| 10 | Decomposition of perfluorooctanoic acid photocatalyzed by titanium dioxide: Chemical modification of the catalyst surface induced by fluoride ions. <i>Applied Catalysis B: Environmental</i> , 2014, 148-149, 29-35.                  | 10.8 | 66        |
| 11 | Determination of bile salt critical micellization concentration on the road to drug discovery. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 87, 62-81.   | 1.4  | 65        |
| 12 | Catalytic application of ferrierite nanocrystals in vapour-phase dehydration of methanol to dimethyl ether. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 273-282.  | 10.8 | 65        |
| 13 | Biocompatible alginate silica supported silver nanoparticles composite films for wound dressing with antibiofilm activity. <i>Materials Science and Engineering C</i> , 2020, 112, 110863.   | 3.8  | 60        |
| 14 | Modulation of Hydrophobic Effect by Cosolutes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21077-21085.  | 1.2  | 58        |
| 15 | Effect of head group size, temperature and counterion specificity on cationic micelles. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 160-166.  | 5.0  | 56        |
| 16 | Nanostructured starch combined with hydroxytyrosol in poly(vinyl alcohol) based ternary films as active packaging system. <i>Carbohydrate Polymers</i> , 2018, 193, 239-248.   | 5.1  | 56        |
| 17 | Catalytic conversion of Venice lagoon brown marine algae for producing hydrogen-rich gas and valuable biochemical using algal biochar and Ni/SBA-15 catalyst. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19918-19929. | 3.8  | 55        |
| 18 | Hydrogen Bonding of Water in Aqueous Solutions of Trimethylamine-N-oxide and tert-Butyl Alcohol: A Near-Infrared Spectroscopy Study. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6145-6150.                                    | 1.1  | 53        |

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|----|--|------|-----------|
| 19 | Nickel based catalysts for methane dry reforming: Effect of supports on catalytic activity and stability. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28065-28076.       | 3.8  | 51        |
| 20 | Biogenic ZnO Nanoparticles Synthesized Using a Novel Plant Extract: Application to Enhance Physiological and Biochemical Traits in Maize. <i>Nanomaterials</i> , 2021, 11, 1270.         | 1.9  | 50        |
| 21 | Ethylene production via catalytic dehydration of diluted bioethanol: A step towards an integrated biorefinery. <i>Applied Catalysis B: Environmental</i> , 2017, 210, 407-420.           | 10.8 | 49        |
| 22 | Free fatty acids esterification of waste cooking oil and its mixtures with rapeseed oil and diesel. <i>Fuel</i> , 2013, 108, 612-619.  | 3.4  | 46        |
| 23 | TiO <sub>2</sub> -supported catalysts for the steam reforming of ethanol. <i>Applied Catalysis A: General</i> , 2014, 477, 42-53.  | 2.2  | 46        |
| 24 | Stem cells from human amniotic fluid exert immunoregulatory function via secreted indoleamine 2,3-dioxygenase1. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 1593-1605. | 1.6  | 45        |
| 25 | Hydrogen storage over metal-doped activated carbon. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7609-7616.   | 3.8  | 44        |
| 26 | Low pressure conversion of CO <sub>2</sub> to methanol over Cu/Zn/Al catalysts. The effect of Mg, Ca and Sr as basic promoters. <i>Fuel</i> , 2020, 274, 117804.                         | 3.4  | 42        |
| 27 | Fischer Tropsch and Water Gas Shift chemical regimes on supported iron-based catalysts at high metal loading. <i>Catalysis Communications</i> , 2009, 10, 823-827.                       | 1.6  | 38        |
| 28 | Role of saccharides on thermal stability of phycocyanin in aqueous solutions. <i>Food Research International</i> , 2020, 132, 109093.  | 2.9  | 37        |
| 29 | Synthesis and test of sorbents based on calcium aluminates for SE-SR. <i>Applied Energy</i> , 2014, 127, 81-92.  | 5.1  | 36        |
| 30 | Ultrasound and microwave assisted synthesis of high loading Fe-supported Fischer-Tropsch catalysts. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 610-616.                                | 3.8  | 35        |
| 31 | Co-based hydrotalcites as new catalysts for the Fischer-Tropsch synthesis process. <i>Fuel</i> , 2014, 119, 62-69.   | 3.4  | 33        |
| 32 | Lipid nanoparticles for brain targeting II. Technological characterization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 130-137.  | 2.5  | 32        |
| 33 | Increase of Ceria Redox Ability by Lanthanum Addition on Ni Based Catalysts for Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13867-13876.            | 3.2  | 32        |
| 34 | SOFC direct fuelling with high-methane gases: Optimal strategies for fuel dilution and upgrade to avoid quick degradation. <i>Energy Conversion and Management</i> , 2016, 124, 492-503. | 4.4  | 31        |
| 35 | Bio-mechanical characterization of a CAD/CAM PMMA resin for digital removable prostheses. <i>Dental Materials</i> , 2021, 37, e118-e130.   | 1.6  | 31        |
| 36 | Bimetallic Ni-Cu Catalysts for the Low-Temperature Ethanol Steam Reforming: Importance of Metal-Support Interactions. <i>Catalysis Letters</i> , 2015, 145, 549-558.                     | 1.4  | 30        |

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|----|---|-----|-----------|
| 37 | Diastereo- and enantioseparation of a N <sup>+</sup> -Boc amino acid with a zwitterionic quinine-based stationary phase: Focus on the stereorecognition mechanism. <i>Analytica Chimica Acta</i> , 2015, 885, 174-182.  | 2.6 | 28        |
| 38 | Syngas production via steam reforming of bioethanol over Ni <sup>+</sup> -BEA catalysts: A BTL strategy. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 16878-16889.   | 3.8 | 26        |
| 39 | Application of Palynomorph Darkness Index (PDI) to assess the thermal maturity of palynomorphs: A case study from North Africa. <i>International Journal of Coal Geology</i> , 2018, 188, 64-78.  | 1.9 | 26        |
| 40 | Exploiting Chemical Toolboxes for the Expedited Generation of Tetracyclic Quinolines as a Novel Class of PXR Agonists. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 677-681.  | 1.3 | 25        |
| 41 | Development and Characterization of Xanthan Gum and Alginate Based Bioadhesive Film for Pycnogenol Topical Use in Wound Treatment. <i>Pharmaceutics</i> , 2021, 13, 324.  | 2.0 | 25        |
| 42 | Novel Nanocomposite PLA Films with Lignin/Zinc Oxide Hybrids: Design, Characterization, Interaction with Mesenchymal Stem Cells. <i>Nanomaterials</i> , 2020, 10, 2176.   | 1.9 | 24        |
| 43 | Photoreforming of Glucose over CuO/TiO <sub>2</sub> . <i>Catalysts</i> , 2020, 10, 477.   | 1.6 | 24        |
| 44 | Flame-pyrolysis-prepared catalysts for the steam reforming of ethanol. <i>Catalysis Science and Technology</i> , 2016, 6, 6247-6256.  | 2.1 | 23        |
| 45 | Energy harvesting from a bio cell. <i>Nano Energy</i> , 2019, 56, 823-827.  | 8.2 | 23        |
| 46 | Low temperature ethanol steam reforming for process intensification: New Ni/MxO <sub>2</sub> -ZrO <sub>2</sub> active and stable catalysts prepared by flame spray pyrolysis. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 28193-28213.  | 3.8 | 22        |
| 47 | Preparation and characterization of polymeric microparticles loaded with Moringa oleifera leaf extract for exuding wound treatment. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119700.  | 2.6 | 22        |
| 48 | Ultrasound-assisted synthesis of ZnO photocatalysts for gas phase pollutant remediation: Role of the synthetic parameters and of promotion with WO <sub>3</sub> . <i>Ultrasonics Sonochemistry</i> , 2020, 66, 105119.  | 3.8 | 21        |
| 49 | Interference of three herbicides on iron acquisition in maize plants. <i>Chemosphere</i> , 2018, 206, 424-431.  | 4.2 | 20        |
| 50 | First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .  | 1.8 | 20        |
| 51 | Heat <sup>+</sup> burn tobacco (IQOS), oral fibroblasts and keratinocytes: cytotoxicity, morphological analysis, apoptosis and cellular cycle. An in vitro study. <i>Journal of Periodontal Research</i> , 2021, 56, 917-928.   | 1.4 | 19        |
| 52 | The Influence of Feedstock and Process Variables on the Encapsulation of Drug Suspensions by Spray <sup>+</sup> Drying in Fast Drying Regime: The Case of Novel Antitubercular Drug <sup>+</sup> Palladium Complex Containing Polymeric Microparticles. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1255-1268.                                   | 1.6 | 18        |
| 53 | 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        |
| 54 | Photocatalytic behaviour of Ag <sub>3</sub> PO <sub>4</sub> , Fe <sub>3</sub> O <sub>4</sub> and Ag <sub>3</sub> PO <sub>4</sub> /Fe <sub>3</sub> O <sub>4</sub> heterojunction towards the removal of organic pollutants and Cr(VI) from water: Efficiency and light-corrosion deactivation. <i>Inorganic Chemistry Communication</i> , 2022, 141, 109516. | 1.8 | 18        |

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|----|--|------|-----------|
| 55 | Bio-adipic acid production by catalysed hydrogenation of muconic acid in mild operating conditions. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 220-229.  | 10.8 | 17        |
| 56 | High hydrostatic pressure treatment of <i>Arthrospira (Spirulina) platensis</i> extracts and the baroprotective effect of sugars on phycobiliproteins. <i>Innovative Food Science and Emerging Technologies</i> , 2021, 70, 102693.          | 2.7  | 17        |
| 57 | High Loading Fe-supported Fischer-Tropsch Catalysts: Optimization of the Catalyst Performance. <i>Catalysis Letters</i> , 2009, 131, 294-304.  | 1.4  | 16        |
| 58 | Enzymatic fuel cell technology for energy production from bio-sources. <i>AIP Conference Proceedings</i> , 2019, , .   | 0.3  | 16        |
| 59 | Flame Spray Pyrolysis as fine preparation technique for stable Co and Co/Ru based catalysts for FT process. <i>Applied Catalysis A: General</i> , 2016, 520, 92-98.  | 2.2  | 15        |
| 60 | Chiral separation of helical chromenes with chloromethyl phenylcarbamate polysaccharide-based stationary phases. <i>Journal of Separation Science</i> , 2018, 41, 1266-1273.   | 1.3  | 15        |
| 61 | Development and validation of a Ni-based catalyst for carbon dioxide dry reforming of methane process coupled to solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16582-16593.                            | 3.8  | 15        |
| 62 | How to Power the Energy-Water Nexus: Coupling Desalination and Hydrogen Energy Storage in Mini-Grids with Reversible Solid Oxide Cells. <i>Processes</i> , 2020, 8, 1494.  | 1.3  | 15        |
| 63 | Bioinspired Reactive Interfaces Based on Layered Double Hydroxides-Zn Rich Hydroxyapatite with Antibacterial Activity. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1361-1373.   | 2.6  | 15        |
| 64 | Exploration of co-sputtered Ta <sub>2</sub> O <sub>5</sub> -ZrO <sub>2</sub> thin films for gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2021, 38, 195021.   | 1.5  | 15        |
| 65 | Alginate-based microparticles structured with different biopolymers and enriched with a phenolic-rich olive leaves extract: A physico-chemical characterization. <i>Current Research in Food Science</i> , 2021, 4, 698-706.                 | 2.7  | 15        |
| 66 | Effects of Support and Synthetic Procedure for Sol-Immobilized Au Nanoparticles. <i>Catalysts</i> , 2016, 6, 87.   | 1.6  | 14        |
| 67 | The racemic approach in the evaluation of the enantiomeric NorA efflux pump inhibition activity of 2-phenylquinoline derivatives. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 182-189.                             | 1.4  | 14        |
| 68 | Selenium maintains cytosolic Ca <sup>2+</sup> homeostasis and preserves germination rates of maize pollen under H <sub>2</sub> O <sub>2</sub> -induced oxidative stress. <i>Scientific Reports</i> , 2019, 9, 13502.                         | 1.6  | 14        |
| 69 | Effect of Encapsulation Process on Technological Functionality and Stability of <i>Spirulina Platensis</i> Extract. <i>Food Biophysics</i> , 2020, 15, 50-63.  | 1.4  | 14        |
| 70 | Photochemical vs. photocatalytic azo-dye removal in a pilot free-surface reactor: Is the catalyst effective?. <i>Separation and Purification Technology</i> , 2020, 237, 116320.   | 3.9  | 14        |
| 71 | Synthesis of a Lignin/Zinc Oxide Hybrid Nanoparticles System and Its Application by Nano-Priming in Maize. <i>Nanomaterials</i> , 2022, 12, 568.   | 1.9  | 14        |
| 72 | Visible light responsive heterostructure HTDMA-BiPO <sub>4</sub> modified clays for effective diclofenac sodium oxidation: Role of interface interactions and basal spacing. <i>Journal of Water Process Engineering</i> , 2022, 48, 102788. | 2.6  | 14        |

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|----|--|-----|-----------|
| 73 | Optical and mechanical properties of ion-beam-sputtered $\text{Nb}_2\text{O}_5$ thin films. <i>Physical Review D</i> , 2021, <i>103</i> , 045401.  | 1.6 | 13        |
| 74 | Hazelnut Shells as Source of Active Ingredients: Extracts Preparation and Characterization. <i>Molecules</i> , 2021, <i>26</i> , 6607.   | 1.7 | 13        |
| 75 | Development of La Doped Ni/CeO <sub>2</sub> for CH <sub>4</sub> /CO <sub>2</sub> Reforming. <i>Journal of Carbon Research</i> , 2018, <i>4</i> , 60.   | 1.4 | 12        |
| 76 | Multifunctional and Environmentally Friendly TiO <sub>2</sub> @SiO <sub>2</sub> Mesoporous Materials for Sustainable Green Buildings. <i>Molecules</i> , 2019, <i>24</i> , 4226.   | 1.7 | 12        |
| 77 | Emulgel Loaded with Flaxseed Extracts as New Therapeutic Approach in Wound Treatment. <i>Pharmaceutics</i> , 2021, <i>13</i> , 1107.   | 2.0 | 12        |
| 78 | Wound Dressing: Combination of Acacia Gum/PVP/Cyclic Dextrin in Bioadhesive Patches Loaded with Grape Seed Extract. <i>Pharmaceutics</i> , 2022, <i>14</i> , 485.  | 2.0 | 12        |
| 79 | Silver@Hydroxyapatite functionalized calcium carbonate composites: characterization, antibacterial and antibiofilm activities and cytotoxicity. <i>Applied Surface Science</i> , 2022, <i>586</i> , 152760.              | 3.1 | 12        |
| 80 | Enantioresolution and stereochemical characterization of two chiral sulfoxides endowed with COX-2 inhibitory activity. <i>Chirality</i> , 2017, <i>29</i> , 536-540.   | 1.3 | 11        |
| 81 | Supported Gold Nanoparticles for Furfural Valorization in the Future Bio-based Industry. <i>Topics in Catalysis</i> , 2018, <i>61</i> , 1877-1887.   | 1.3 | 11        |
| 82 | Chromatographic resolution of phenylethanolic-azole racemic compounds highlighted stereoselective inhibition of heme oxygenase-1 by (R)-enantiomers. <i>Bioorganic Chemistry</i> , 2020, <i>99</i> , 103777.             | 2.0 | 11        |
| 83 | Covalent Immobilization of Proteases on Polylactic Acid for Proteins Hydrolysis and Waste Biomass Protein Content Valorization. <i>Catalysts</i> , 2021, <i>11</i> , 167.  | 1.6 | 11        |
| 84 | Effects of Titanium Dioxide Nanoparticles on Porcine Prepubertal Sertoli Cells: An <i>In Vitro</i> Study. <i>Frontiers in Endocrinology</i> , 2021, <i>12</i> , 751915.  | 1.5 | 11        |
| 85 | Reshaping antibiotics through hydrophobic drug-bile acid ionic complexation enhances activity against <i>Staphylococcus aureus</i> biofilms. <i>International Journal of Pharmaceutics</i> , 2017, <i>528</i> , 144-162. | 2.6 | 10        |
| 86 | Hydrogen Production by Ethanol Steam Reforming on Ni-Based Catalysts: Effect of the Support and of CaO and Au Doping. <i>ChemistrySelect</i> , 2017, <i>2</i> , 9523-9531.   | 0.7 | 10        |
| 87 | Redox-Sensitive Glyoxalase 1 Up-Regulation Is Crucial for Protecting Human Lung Cells from Gold Nanoparticles Toxicity. <i>Antioxidants</i> , 2020, <i>9</i> , 697.  | 2.2 | 10        |
| 88 | Effects of SiO <sub>2</sub> -based scaffolds in TiO <sub>2</sub> photocatalyzed CO <sub>2</sub> reduction. <i>Catalysis Today</i> , 2022, <i>387</i> , 54-60.  | 2.2 | 10        |
| 89 | Metal Dispersion and Interaction with the Supports in the Coke Production Over Ethanol Steam Reforming Catalysts. <i>Catalysis Today</i> , 2015, <i>266</i> , 695-711.   |     | 10        |
| 90 | Multipurpose plant species and circular economy: <i>Corylus avellana</i> L. as a study case. <i>Frontiers in Bioscience</i> , 2022, <i>27</i> , 1.   | 0.8 | 10        |

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|-----|--|-----|-----------|
| 91  | A New Frontier of Photocatalysis Employing Micro-Sized TiO <sub>2</sub> : Air/Water Pollution Abatement and Self-Cleaning/ Antibacterial Applications. , 0, , .  |     | 9         |
| 92  | Chemical and mineralogical characterization of the Mineo (Sicily, Italy) pallasite: A unique sample. Meteoritics and Planetary Science, 2018, 53, 268-283.   | 0.7 | 9         |
| 93  | Polymeric Bioadhesive Patch Based on Ketoprofen-Hydrotalcite Hybrid for Local Treatments. Pharmaceutics, 2020, 12, 733.  | 2.0 | 9         |
| 94  | Binding properties of different categories of IDO1 inhibitors: a microscale thermophoresis study. Future Medicinal Chemistry, 2017, 9, 1327-1338.  | 1.1 | 8         |
| 95  | Active Role of ZnO Nanorods in Thermomechanical and Barrier Performance of Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50   | 2.0 | 8         |
| 96  | Effect of chelating and antioxidant agents on morphology and DNA methylation in freeze-drying rabbit ( Oryctolagus cuniculus ) spermatozoa. Reproduction in Domestic Animals, 2020, 55, 29-37.                         | 0.6 | 8         |
| 97  | PVC grafted zinc oxide nanoparticles as an inhospitable surface to microbes. Materials Science and Engineering C, 2021, 128, 112290.   | 3.8 | 8         |
| 98  | Efficient enantioresolution of aromatic $\alpha$ -hydroxy acids with Cinchona alkaloid-based zwitterionic stationary phases and volatile polar-ionic eluents. Analytica Chimica Acta, 2021, 1180, 338928.              | 2.6 | 8         |
| 99  | CuZSM-5@HMS composite as an efficient micro-mesoporous catalyst for conversion of sugars into levulinic acid. Catalysis Today, 2022, 390-391, 146-161.   | 2.2 | 8         |
| 100 | Brillouin-Raman microspectroscopy for the morpho-mechanical imaging of human lamellar bone. Journal of the Royal Society Interface, 2022, 19, 20210642.  | 1.5 | 8         |
| 101 | Improved Achiral and Chiral HPLC-UV Analysis of Ruxolitinib in Two Different Drug Formulations. Separations, 2020, 7, 47.  | 1.1 | 7         |
| 102 | Hydroxyapatite Functionalized Calcium Carbonate Composites with Ag Nanoparticles: An Integrated Characterization Study. Nanomaterials, 2021, 11, 2263.   | 1.9 | 7         |
| 103 | Bioadhesive patches based on carboxymethyl cellulose/polyvinylpyrrolidone/bentonite composites and Soluplus <sup>®</sup> for skin administration of poorly soluble molecules. Applied Clay Science, 2022, 216, 106377. | 2.6 | 7         |
| 104 | Selective Hydrogenation of 5-Hydroxymethylfurfural to 1-Hydroxy-2,5-hexanedione by Biochar-Supported Ru Catalysts. ChemSusChem, 2022, 15, .  | 3.6 | 7         |
| 105 | Premicelles of cetyltrimethylammonium methanesulfonate: Spectroscopic and kinetic evidence. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 336, 75-78.  | 2.3 | 6         |
| 106 | High charge density silica micro-electrets fabricated by electron beam. Smart Materials and Structures, 2018, 27, 075052.  | 1.8 | 6         |
| 107 | Enhanced Stability of Long-Living Immobilized Recombinant $\beta$ -d-N-Acetyl-Hexosaminidase A on Polylactic Acid (PLA) Films for Potential Biomedical Applications. Journal of Functional Biomaterials, 2021, 12, 32. | 1.8 | 6         |
| 108 | Mercury acetate produced by metallic mercury subjected to acoustic cavitation in a solution of acetic acid in water. Ultrasonics Sonochemistry, 2009, 16, 141-144.   | 3.8 | 5         |

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|-----|--|-----|-----------|
| 109 | Pd-Au Bimetallic Catalysts for the Hydrogenation of Muconic Acid to Bio-Adipic Acid. <i>Catalysts</i> , 2021, 11, 1313.  | 1.6 | 5         |
| 110 | Immobilizing Enzymes on a Commercial Polymer: Performance Analysis of a GOx-Laccase Based Enzymatic Biofuel Cell Assembly. <i>Energies</i> , 2022, 15, 2182.   | 1.6 | 5         |
| 111 | MgAl and ZnAl-Hydrotalcites as Materials for Cosmetic and Pharmaceutical Formulations: Study of Their Cytotoxicity on Different Cell Lines. <i>Pharmaceuticals</i> , 2022, 15, 784.  | 1.7 | 5         |
| 112 | Effects of temperature on micellar-assisted bimolecular reaction of methylnaphtalene-2-sulphonate with bromide and chloride ions. <i>Journal of Colloid and Interface Science</i> , 2013, 402, 165-172.                              | 5.0 | 4         |
| 113 | Layered double hydroxides intercalated with fluoride and methacrylate anions as multifunctional filler of acrylic resins for dental composites. <i>Applied Clay Science</i> , 2020, 197, 105796.                                     | 2.6 | 4         |
| 114 | Ethanol Steam Reforming on Lanthanum Ni-ZrO <sub>2</sub> Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .  | 3.2 | 4         |
| 115 | Flame Pyrolysis Synthesis of Mixed Oxides for Glycerol Steam Reforming. <i>Materials</i> , 2021, 14, 652.  | 1.3 | 4         |
| 116 | Bismuth Oxyhalides for NO <sub>x</sub> Degradation under Visible Light: The Role of the Chloride Precursor. <i>Catalysts</i> , 2021, 11, 81.   | 1.6 | 4         |
| 117 | Co- and Co(Ru)-Based Catalysts for Fischer-Tropsch Synthesis Prepared by High Power Ultrasound. <i>Materials Focus</i> , 2015, 4, 295-301.   | 0.4 | 4         |
| 118 | New Technological Approach for Glycyrrhetic Acid Oral and Topical Administration. <i>Current Pharmaceutical Design</i> , 2020, 26, 664-674.  | 0.9 | 4         |
| 119 | Persistence of the Effects of Se-Fertilization in Olive Trees over Time, Monitored with the Cytosolic Ca <sup>2+</sup> and with the Germination of Pollen. <i>Plants</i> , 2021, 10, 2290.   | 1.6 | 4         |
| 120 | Enantioseparation of novel anti-inflammatory chiral sulfoxides with two cellulose dichlorophenylcarbamate-based chiral stationary phases and polar-organic mobile phase(s). <i>Journal of Chromatography Open</i> , 2021, 1, 100022. | 0.8 | 4         |
| 121 | HexA-Enzyme Coated Polymer Nanoparticles for the Development of a Drug-Delivery System in the Treatment of Sandhoff Lysosomal Storage Disease. <i>Journal of Functional Biomaterials</i> , 2022, 13, 37.                             | 1.8 | 4         |
| 122 | Photocatalytic TiO <sub>2</sub> : From Airless Jet Spray Technology to Digital Inkjet Printing. , 0, , .   |     | 3         |
| 123 | Time-domain THz spectroscopy of the characteristics of hydroxyapatite provides a signature of heating in bone tissue. <i>PLoS ONE</i> , 2018, 13, e0201745.  | 1.1 | 3         |
| 124 | Integrating experimental and computational techniques to study chromatographic enantioresolutions of chiral tetrahydroindazole derivatives. <i>Journal of Chromatography A</i> , 2020, 1625, 461310.                                 | 1.8 | 3         |
| 125 | Photocatalytic Reduction of Nitrates and Combined Photodegradation with Ammonium. <i>Catalysts</i> , 2022, 12, 321.  | 1.6 | 3         |
| 126 | Recyclable Ir Nanoparticles for the Catalytic Hydrogenation of Biomass-Derived Carbonyl Compounds. <i>Catalysts</i> , 2021, 11, 914.   | 1.6 | 2         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Selective Inhibition of Wild Sunflower Reproduction with Mugwort Aqueous Extract, Tested on Cytosolic Ca <sup>2+</sup> and Germination of the Pollen Grains. <i>Plants</i> , 2021, 10, 1364.             | 1.6 | 2         |
| 128 | 3D electron diffraction study of terrestrial iron oxide alteration in the Mineo pallasite. <i>Mineralogical Magazine</i> , 2022, 86, 272-281.  | 0.6 | 2         |
| 129 | Effect of the Nano-Ca(OH) <sub>2</sub> Addition on the Portland Clinker Cooking Efficiency. <i>Materials</i> , 2019, 12, 1787.   | 1.3 | 1         |
| 130 | Quick Degradation Detection on Biogas-Fuelled SOFCs. <i>ECS Transactions</i> , 2019, 91, 1571-1580.  | 0.3 | 1         |
| 131 | Sustainable photocatalytic porcelain grÃ©s slabs active under LED light for indoor depollution and bacteria reduction. , 2020, , 59-71.  |     | 1         |
| 132 | Nonlinear desorption activation energy from TPD curves: Analysis of the influence of initial values for the regression procedure. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1115-1123. | 0.9 | 1         |
| 133 | Traditional Venetian marmorino: Effect of zinc-based oxides on self-bleaching properties. <i>Journal of Cultural Heritage</i> , 2021, 50, 171-178.   | 1.5 | 1         |
| 134 | Effects of Selenium-Methionine against Heat Stress in Ca <sup>2+</sup> -Cytosolic and Germination of Olive Pollen Performance. <i>Agriculture (Switzerland)</i> , 2022, 12, 826.                         | 1.4 | 1         |
| 135 | Structural and Functional Behaviour of Ce-Doped Wide-Bandgap Semiconductors for Photo-Catalytic Applications. <i>Catalysts</i> , 2021, 11, 1209.   | 1.6 | 0         |