

Vito Rizzi

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,273
citations

361413

20
h-index

395702

33
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55
all docs

55
docs citations

55
times ranked

1298
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Cyclodextrin nanospheres as adsorbent material to remove hazardous pollutants from water: The case of ciprofloxacin. <i>Chemical Engineering Journal</i> , 2021, 411, 128514. | 12.7 | 92 |
| 2 | Removal of tetracycline from polluted water by chitosan-olive pomace adsorbing films. <i>Science of the Total Environment</i> , 2019, 693, 133620. | 8.0 | 76 |
| 3 | β-Cyclodextrin encapsulation of supercritical CO ₂ extracted oleoresins from different plant matrices: A stability study. <i>Food Chemistry</i> , 2016, 199, 684-693. | 8.2 | 62 |
| 4 | An interesting environmental friendly cleanup: The excellent potential of olive pomace for disperse blue adsorption/desorption from wastewater. <i>Dyes and Pigments</i> , 2017, 140, 480-490. | 3.7 | 62 |
| 5 | Interaction between industrial textile dyes and cyclodextrins. <i>Dyes and Pigments</i> , 2015, 119, 84-94. | 3.7 | 45 |
| 6 | Molecular interactions, characterization and photoactivity of Chlorophyll a/chitosan/2-HP-β-cyclodextrin composite films as functional and active surfaces for ROS production. <i>Food Hydrocolloids</i> , 2016, 58, 98-112. | 10.7 | 45 |
| 7 | One pot environmental friendly synthesis of gold nanoparticles using Punica Granatum Juice: A novel antioxidant agent for future dermatological and cosmetic applications. <i>Journal of Colloid and Interface Science</i> , 2018, 521, 50-61. | 9.4 | 45 |
| 8 | Heavy metals retention (Pb(II), Cd(II), Ni(II)) from single and multimetal solutions by natural biosorbents from the olive oil milling operations. <i>Chemical Engineering Research and Design</i> , 2018, 114, 79-90. | 5.6 | 44 |
| 9 | Chlorophyll a in cyclodextrin supramolecular complexes as a natural photosensitizer for photodynamic therapy (PDT) applications. <i>Materials Science and Engineering C</i> , 2018, 85, 47-56. | 7.3 | 42 |
| 10 | Hair Care Cosmetics: From Traditional Shampoo to Solid Clay and Herbal Shampoo, A Review. <i>Cosmetics</i> , 2019, 6, 13. | 3.3 | 42 |
| 11 | Commercial bentonite clay as low-cost and recyclable "natural" adsorbent for the Carbendazim removal/recovery from water: Overview on the adsorption process and preliminary photodegradation considerations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125060. | 4.7 | 42 |
| 12 | Amino grafted MCM-41 as highly efficient and reversible ecofriendly adsorbent material for the Direct Blue removal from wastewater. <i>Journal of Molecular Liquids</i> , 2019, 273, 435-446. | 4.9 | 41 |
| 13 | Multifunctional green synthesized gold nanoparticles/chitosan/ellagic acid self-assembly: Antioxidant, sun filter and tyrosinase-inhibitor properties. <i>Materials Science and Engineering C</i> , 2020, 106, 110170. | 7.3 | 39 |
| 14 | Chitosan Film as Eco-Friendly and Recyclable Bio-Adsorbent to Remove/Recover Diclofenac, Ketoprofen, and Their Mixture from Wastewater. <i>Biomolecules</i> , 2019, 9, 571. | 4.0 | 38 |
| 15 | Operational parameters affecting the atrazine removal from water by using cyclodextrin based polymers as efficient adsorbents for cleaner technologies. <i>Environmental Technology and Innovation</i> , 2019, 16, 100454. | 6.1 | 36 |
| 16 | An Alternative Use of Olive Pomace as a Wide-Ranging Bioremediation Strategy to Adsorb and Recover Disperse Orange and Disperse Red Industrial Dyes from Wastewater. <i>Separations</i> , 2017, 4, 29. | 2.4 | 30 |
| 17 | Biomolecules from snail mucus (<i>Helix aspersa</i>) conjugated gold nanoparticles, exhibiting potential wound healing and anti-inflammatory activity. <i>Soft Matter</i> , 2020, 16, 10876-10888. | 2.7 | 28 |
| 18 | Detailed investigation of ROS arisen from chlorophyll a /Chitosan based-biofilm. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 239-247. | 5.0 | 25 |

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|----|--|-----|-----------|
| 19 | Polyamidoamine-Based Hydrogel for Removal of Blue and Red Dyes from Wastewater. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700146. | 5.3 | 25 |
| 20 | Chitosan Biopolymer from Crab Shell as Recyclable Film to Remove/Recover in Batch Ketoprofen from Water: Understanding the Factors Affecting the Adsorption Process. <i>Materials</i> , 2019, 12, 3810. | 2.9 | 24 |
| 21 | A comprehensive investigation of dye-chitosan blended films for green chemistry applications. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45945. | 2.6 | 22 |
| 22 | Lead Ion Sorption by Perlite and Reuse of the Exhausted Material in the Construction Field. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1882. | 2.5 | 20 |
| 23 | A "classical" material for capture and detoxification of emergent contaminants for water purification: The case of tetracycline. <i>Environmental Technology and Innovation</i> , 2020, 19, 100812. | 6.1 | 20 |
| 24 | Use of cellulose fibers from wheat straw for sustainable cement mortars. <i>Journal of Sustainable Cement-Based Materials</i> , 2019, 8, 161-179. | 3.1 | 19 |
| 25 | Applicative Study (Part I): The Excellent Conditions to Remove in Batch Direct Textile Dyes (Direct Red,) Tj ETQq1 1 0.784314 rgBT / Oler Chitosan Films under Different Conditions. <i>Advances in Chemical Engineering and Science</i> , 2014, 04, 454-469. | 0.5 | 18 |
| 26 | Neurocosmetics in Skincare "The Fascinating World of Skin-Brain Connection: A Review to Explore Ingredients, Commercial Products for Skin Aging, and Cosmetic Regulation. <i>Cosmetics</i> , 2021, 8, 66. | 3.3 | 18 |
| 27 | Rose Bengal-photosensitized oxidation of 4-thiothymidine in aqueous medium: evidence for the reaction of the nucleoside with singlet state oxygen. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26307-26319. | 2.8 | 17 |
| 28 | Gold-chlorophyll a-hybrid nanoparticles and chlorophyll a/cetyltrimethylammonium chloride self-assembled-suprastructures as novel carriers for chlorophyll a delivery in water medium: Photoactivity and photostability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 555-562. | 5.0 | 17 |
| 29 | Snail slime-based gold nanoparticles: An interesting potential ingredient in cosmetics as an antioxidant, sunscreen, and tyrosinase inhibitor. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 224, 112309. | 3.8 | 17 |
| 30 | pH-related features and photostability of 4-thiothymidine in aqueous solution: an investigation by UV-visible, NMR and FTIR-ATR spectroscopies and by electrospray ionization mass spectrometry. <i>RSC Advances</i> , 2014, 4, 48804-48814. | 3.6 | 14 |
| 31 | Plasma generated RONS in cell culture medium for in vitro studies of eukaryotic cells on Tissue Engineering scaffolds. <i>Plasma Processes and Polymers</i> , 2017, 14, 1700014. | 3.0 | 13 |
| 32 | Thermodynamic and kinetic investigation of heavy metals sorption in packed bed columns by recycled lignocellulosic materials from olive oil production. <i>Chemical Engineering Communications</i> , 2019, 206, 1715-1730. | 2.6 | 13 |
| 33 | Use of Chitosan, a Valuable Co-Product of Industrial Hemp Fiber, as Adsorbent for Pollutant Removal. Part I: Chemical, Microscopic, Spectroscopic and Thermogravimetric Characterization of Raw and Modified Samples. <i>Molecules</i> , 2021, 26, 4574. | 3.8 | 13 |
| 34 | Removal from wastewater and recycling of azo textile dyes by alginate-chitosan beads. <i>International Journal of Environment Agriculture and Biotechnology</i> , 2017, 2, 1835-1850. | 0.1 | 13 |
| 35 | The "End Life" of the Grape Pomace Waste Become the New Beginning: The Development of a Virtuous Cycle for the Green Synthesis of Gold Nanoparticles and Removal of Emerging Contaminants from Water. <i>Antioxidants</i> , 2022, 11, 994. | 5.1 | 13 |
| 36 | Operational parameters affecting the removal and recycling of direct blue industrial dye from wastewater using bleached oil mill waste as alternative adsorbent material. <i>International Journal of Environment Agriculture and Biotechnology</i> , 2017, 2, 1560-1572. | 0.1 | 12 |

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|----|--|-----|-----------|
| 37 | From agricultural wastes to a resource: Kiwi Peels, as long-lasting, recyclable adsorbent, to remove emerging pollutants from water. The case of Ciprofloxacin removal. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 29, 100749. | 3.3 | 12 |
| 38 | Investigation of air-DBD effects on biological liquids for in vitro studies on eukaryotic cells. <i>Clinical Plasma Medicine</i> , 2015, 3, 62-71. | 3.2 | 11 |
| 39 | Porous Waste Glass for Lead Removal in Packed Bed Columns and Reuse in Cement Conglomerates. <i>Materials</i> , 2019, 12, 94. | 2.9 | 11 |
| 40 | Methyl Orange Photo-Degradation by TiO ₂ in a Pilot Unit under Different Chemical, Physical, and Hydraulic Conditions. <i>Processes</i> , 2021, 9, 205. | 2.8 | 11 |
| 41 | Development of Spirulina sea-weed raw extract/polyamidoamine hydrogel system as novel platform in photodynamic therapy: Photostability and photoactivity of chlorophyll a. <i>Materials Science and Engineering C</i> , 2021, 119, 111593. | 7.3 | 9 |
| 42 | Characterization of Reactive Oxygen/Nitrogen Species Produced in PBS and DMEM by Air DBD Plasma Treatments. <i>Plasma Medicine</i> , 2016, 6, 13-19. | 0.6 | 8 |
| 43 | Porous Aluminosilicate Aggregate as Lead Ion Sorbent in Wastewater Treatments. <i>Separations</i> , 2017, 4, 25. | 2.4 | 8 |
| 44 | Amino-grafted mesoporous MCM-41 and SBA-15 recyclable adsorbents: Desert-rose-petals-like SBA-15 type as the most efficient to remove azo textile dyes and their mixture from water. <i>Sustainable Materials and Technologies</i> , 2020, 26, e00231. | 3.3 | 8 |
| 45 | Untargeted analysis of pure snail slime and snail slime-induced Au nanoparticles metabolome with MALDI FT-ICR MS. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4722. | 1.6 | 8 |
| 46 | Evaluation of the hydraulic and hydrodynamic parameters influencing photo-catalytic degradation of bio-persistent pollutants in a pilot plant. <i>Chemical Engineering Communications</i> , 2019, 206, 1286-1296. | 2.6 | 7 |
| 47 | Chitosan film as recyclable adsorbent membrane to remove/recover hazardous pharmaceutical pollutants from water: the case of the emerging pollutant Furosemide. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 1-12. | 1.7 | 7 |
| 48 | Cyclodextrin polymers and salts: An Eco-Friendly combination to modulate the removal of sulfamethoxazole from water and its release. <i>Chemosphere</i> , 2021, 283, 131238. | 8.2 | 7 |
| 49 | Potential of 4-thiothymidine as a molecular probe for H ₂ O ₂ in systems related to PhotoDynamic therapy: A structural and mechanistic insight by UV-visible and FTIR-ATR spectroscopies and by ElectroSpray ionization mass spectrometry. <i>Journal of Molecular Liquids</i> , 2018, 264, 398-409. | 4.9 | 5 |
| 50 | A comprehensive investigation of amino grafted mesoporous silica nanoparticles supramolecular assemblies to host photoactive chlorophyll a in aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 377, 149-158. | 3.9 | 5 |
| 51 | Interactions between 4-thiothymidine and water-soluble cyclodextrins: Evidence for supramolecular structures in aqueous solutions. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 549-563. | 2.2 | 4 |
| 52 | Ionic-Liquid Controlled Nitration of Double Bond: Highly Selective Synthesis of Nitrostyrenes and Benzonitriles. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6012-6018. | 2.4 | 4 |
| 53 | Removal of an Azo Textile Dye from Wastewater by Cyclodextrin-Epichlorohydrin Polymers. , 0, , . | | 2 |
| 54 | Reactivity of 4-thiothymidine with Fenton reagent investigated by UV-visible spectroscopy and electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2019, 54, 389-401. | 1.6 | 2 |

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|----|---|-----|-----------|
| 55 | Green Procedure for One-Pot Synthesis of Azelaic Acid Derivatives Using Metal Catalysis. Recent Innovations in Chemical Engineering, 2019, 11, 185-191. | 0.4 | 2 |