

Piotr Cyganowski

List of Publications by Year in descending order

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465
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| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | The recovery of gold from the aqua regia leachate of electronic parts using a core-shell type anion exchange resin. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 741-750. | 2.4 | 48 |
| 2 | Synthetic Iron Oxides for Adsorptive Removal of Arsenic. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 203. | 1.1 | 37 |
| 3 | Amberlite IRA-400 and IRA-743 chelating resins for the sorption and recovery of molybdenum(VI) and vanadium(V): Equilibrium and kinetic studies. <i>Hydrometallurgy</i> , 2017, 169, 496-507. | 1.8 | 33 |
| 4 | Antibacterial Activity of Fructose-Stabilized Silver Nanoparticles Produced by Direct Current Atmospheric Pressure Glow Discharge towards Quarantine Pests. <i>Nanomaterials</i> , 2018, 8, 751. | 1.9 | 29 |
| 5 | Molecular reactors for synthesis of polymeric nanocomposites with noble metal nanoparticles for catalytic decomposition of 4-nitrophenol. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 226-233. | 5.0 | 22 |
| 6 | Room temperature solvent extraction for simple and fast determination of total concentration of Ca, Cu, Fe, Mg, Mn, and Zn in bee pollen by FAAS along with assessment of the bioaccessible fraction of these elements using in vitro gastrointestinal digestion. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 60, 126479. | 1.5 | 21 |
| 7 | Separation of Re(VII) from Mo(VI) by anion exchange resins synthesized using microwave heat. <i>Hydrometallurgy</i> , 2019, 185, 12-22. | 1.8 | 20 |
| 8 | Piperazine Functionalized Resins for Au(III), Pt(IV), and Pd(II) Sorption. <i>Separation Science and Technology</i> , 2014, 49, 1689-1699. | 1.3 | 19 |
| 9 | Surface-activated anion exchange resins for synthesis and immobilization of gold and palladium nano- and microstructures. <i>Reactive and Functional Polymers</i> , 2018, 124, 90-103. | 2.0 | 18 |
| 10 | Synthesis of Adsorbents with Anion Exchange and Chelating Properties for Separation and Recovery of Precious Metals – A Review. <i>Solvent Extraction and Ion Exchange</i> , 2020, 38, 143-165. | 0.8 | 17 |
| 11 | Hydrogel-based nanocomposite catalyst containing uncoated gold nanoparticles synthesized using cold atmospheric pressure plasma for the catalytic decomposition of 4-nitrophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123886. | 2.3 | 16 |
| 12 | New Core-shell Type Polymeric Supports Based on the Amberlite XAD-4 Adsorbent: A Novel Synthesis Procedure. <i>Chinese Journal of Chemistry</i> , 2015, 33, 594-600. | 2.6 | 15 |
| 13 | Application of Oil-in-Water Nanoemulsion Carrying Size-Defined Gold Nanoparticles Synthesized by Non-thermal Plasma for the Human Breast Cancer Cell Lines Migration and Apoptosis. <i>Plasma Chemistry and Plasma Processing</i> , 2020, 40, 1037-1062. | 1.1 | 14 |
| 14 | Highly efficient and convenient nanocomposite catalysts produced using in-situ approach for decomposition of 4-nitrophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 590, 124452. | 2.3 | 12 |
| 15 | A Mini-Review on Anion Exchange and Chelating Polymers for Applications in Hydrometallurgy, Environmental Protection, and Biomedicine. <i>Polymers</i> , 2020, 12, 784. | 2.0 | 12 |
| 16 | Fully recyclable gold-based nanocomposite catalysts with enhanced reusability for catalytic hydrogenation of p-nitrophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 125995. | 2.3 | 12 |
| 17 | Synthesis and studies on core-shell type anion exchange resins based on a hybrid polymeric support. <i>Journal of Applied Polymer Science</i> , 2016, 133, . | 1.3 | 11 |
| 18 | Effect of Microwave Radiation on the Synthesis of Ion Exchange Resins: A Comparative Study. <i>Solvent Extraction and Ion Exchange</i> , 2015, 33, 510-521. | 0.8 | 10 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Atmospheric Pressure Plasma-Mediated Synthesis of Platinum Nanoparticles Stabilized by Poly(vinylpyrrolidone) with Application in Heat Management Systems for Internal Combustion Chambers. <i>Nanomaterials</i> , 2018, 8, 619. | 1.9 | 10 |
| 20 | Polymerization-Driven Immobilization of dc-APGD Synthesized Gold Nanoparticles into a Quaternary Ammonium-Based Hydrogel Resulting in a Polymeric Nanocomposite with Heat-Transfer Applications. <i>Polymers</i> , 2018, 10, 377. | 2.0 | 10 |
| 21 | Selective sorption of diethyl phthalate on pH-responsive, molecularly imprinted polymeric adsorbents. <i>Separation Science and Technology</i> , 2020, 55, 2137-2148. | 1.3 | 10 |
| 22 | Spontaneous formation of gold microplates during reduction-coupled removal of noble metals using Dowex M4195 resin. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 8 |
| 23 | Microwave-assisted synthesis of anion-exchange resins for sorption of noble metals: how to boost sorption capacity using a proper reaction environment. <i>Polymer Bulletin</i> , 2017, 74, 229-244. | 1.7 | 8 |
| 24 | New hybrid matrices for the synthesis of ion-exchange resins. The impact of the synthesis procedure on their porosity, functionalization and sorption of noble metals. <i>Separation Science and Technology</i> , 2016, 51, 2519-2527. | 1.3 | 7 |
| 25 | Synthetic strong base anion exchange resins: synthesis and sorption of Mo(VI) and V(V). <i>Polymer Bulletin</i> , 2018, 75, 729-746. | 1.7 | 7 |
| 26 | Plant Extracts Activated by Cold Atmospheric Pressure Plasmas as Suitable Tools for Synthesis of Gold Nanostructures with Catalytic Uses. <i>Nanomaterials</i> , 2020, 10, 1088. | 1.9 | 7 |
| 27 | Multivariable optimization of ultrasound-assisted solvent extraction of bee pollen prior to its element analysis by FAAS. <i>Microchemical Journal</i> , 2020, 157, 105009. | 2.3 | 7 |
| 28 | Reclamation of RO permeate and concentrate of geothermal water by new chelating resins having N-methyl-D-glucamine ligands. <i>Separation and Purification Technology</i> , 2021, 254, 117558. | 3.9 | 7 |
| 29 | Heterogeneous nanocomposite catalysts with rhenium nanostructures for the catalytic reduction of 4-nitrophenol. <i>Scientific Reports</i> , 2022, 12, 6228. | 1.6 | 7 |
| 30 | Non-thermal atmospheric pressure plasma as a powerful tool for the synthesis of rhenium-based nanostructures for the catalytic hydrogenation of 4-nitrophenol. <i>RSC Advances</i> , 2021, 11, 38596-38604. | 1.7 | 6 |
| 31 | Experimental review of microwave-assisted methods for synthesis of functional resins for sorption of rhenium(VII). <i>Solvent Extraction and Ion Exchange</i> , 2018, 36, 420-436. | 0.8 | 5 |
| 32 | Production of antimicrobial silver nanoparticles modified by alkanethiol self-assembled monolayers by direct current atmospheric pressure glow discharge generated in contact with a flowing liquid anode. <i>Plasma Processes and Polymers</i> , 2019, 16, 1900033. | 1.6 | 4 |
| 33 | Surface-Activated Chelating Resins Containing N-Methyl-D-Glucamine Functional Groups for Desalination of Geothermal Water Aimed for Removal of Boron and Arsenic. <i>Solvent Extraction and Ion Exchange</i> , 2021, 39, 584-603. | 0.8 | 4 |
| 34 | An assessment of a new synthetic procedure for core-shell polymeric supports based on the Amberlite XAD-4 adsorbent. <i>Acta Chimica Slovenica</i> , 2015, 62, 672-678. | 0.2 | 4 |
| 35 | Rhenium Nanostructures Loaded into Amino-Functionalized Resin as a Nanocomposite Catalyst for Hydrogenation of 4-Nitrophenol and 4-Nitroaniline. <i>Polymers</i> , 2021, 13, 3796. | 2.0 | 4 |
| 36 | Nanocomposite membranes with Au nanoparticles for dialysis-based catalytic reduction-separation of nitroaromatic compounds. <i>Reactive and Functional Polymers</i> , 2022, 170, 105119. | 2.0 | 4 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | pH-responsive molecularly imprinted polymer for sorption and rapid desorption of dibutyl phthalate. Separation Science and Technology, 2018, 53, 1076-1087. | 1.3 | 3 |
| 38 | Comprehensive studies on the properties of apple juice treated by non-thermal atmospheric plasma in a flow-through system. Scientific Reports, 2020, 10, 21166. | 1.6 | 3 |
| 39 | Fine polymer imprinted layers for the monitoring of bisphenol A in aqueous solutions. Separation Science and Technology, 2018, 53, 206-218. | 1.3 | 2 |
| 40 | Tuning Optical and Granulometric Properties of Gold Nanostructures Synthesized with the Aid of Different Types of Honeys for Microwave-Induced Hyperthermia. Materials, 2019, 12, 898. | 1.3 | 2 |
| 41 | Size-defined synthesis of magnetic nanorods by Salvia hispanica essential oil with electromagnetic excitation properties useful in microwave imaging. Journal of Magnetism and Magnetic Materials, 2019, 480, 87-96. | 1.0 | 2 |