

James B Murowchick

List of Publications by Year in descending order

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58
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3,418
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138251

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docs citations

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times ranked

4814
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Petrography and sulfur isotopic compositions of SEDEX ores in the early Cambrian Nanhua Basin, South China. <i>Precambrian Research</i> , 2020, 345, 105757. | 1.2 | 13 |
| 2 | Microwave absorption of magnesium/hydrogen-treated titanium dioxide nanoparticles. <i>Nano Materials Science</i> , 2019, 1, 48-59. | 3.9 | 61 |
| 3 | Microwave absorption of aluminum/hydrogen treated titanium dioxide nanoparticles. <i>Journal of Materiomics</i> , 2019, 5, 133-146. | 2.8 | 55 |
| 4 | Engineering fast dissolving sodium acetate mediated crystalline solid dispersion of docetaxel. <i>International Journal of Pharmaceutics</i> , 2018, 545, 329-341. | 2.6 | 17 |
| 5 | FeP nanoparticles: a new material for microwave absorption. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1119-1125. | 3.2 | 78 |
| 6 | Electrochemically tuned cobalt hydroxide carbonate with abundant grain boundaries for highly efficient electro-oxidation of hydrazine. <i>Materials Chemistry Frontiers</i> , 2018, 2, 369-375. | 3.2 | 10 |
| 7 | Co ₂ P nanoparticles for microwave absorption. <i>Materials Today Nano</i> , 2018, 1, 1-7. | 2.3 | 57 |
| 8 | Crystalline–amorphous Co@CoO core–shell heterostructures for efficient electro-oxidation of hydrazine. <i>Materials Chemistry Frontiers</i> , 2018, 2, 96-101. | 3.2 | 29 |
| 9 | Improving the activity of Co _x P nanoparticles for the electrochemical hydrogen evolution by hydrogenation. <i>Sustainable Energy and Fuels</i> , 2017, 1, 62-68. | 2.5 | 41 |
| 10 | Carlsonite, , and huizingite-(Al), (NH ₄) ₉ Al ₃ (SO ₄) ₈ (OH) ₂ ·4H ₂ O, two new minerals from a natural fire in an oil-bearing shale near Milan, Ohio. <i>American Mineralogist</i> , 2016, 101, 2095-2107. | 0.9 | 17 |
| 11 | FeNi ₃ /NiFeO _x Nanohybrids as Highly Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600368. | 1.9 | 84 |
| 12 | Label-Free Ferrocene-Loaded Nanocarrier Engineering for In Vivo Cochlear Drug Delivery and Imaging. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 3162-3171. | 1.6 | 15 |
| 13 | Converting CoMoO ₄ into CoO/MoO _x for Overall Water Splitting by Hydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3743-3749. | 3.2 | 134 |
| 14 | Sodium Acetate Coated Tenofovir-Loaded Chitosan Nanoparticles for Improved Physico-Chemical Properties. <i>Pharmaceutical Research</i> , 2016, 33, 367-383. | 1.7 | 16 |
| 15 | Partially amorphized MnMoO ₄ for highly efficient energy storage and the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3683-3688. | 5.2 | 86 |
| 16 | Effect of hydrogenation on the microwave absorption properties of BaTiO ₃ nanoparticles. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12550-12556. | 5.2 | 108 |
| 17 | Evaluation of degradation kinetics and physicochemical stability of tenofovir. <i>Drug Testing and Analysis</i> , 2015, 7, 207-213. | 1.6 | 24 |
| 18 | Strong Microwave Absorption of Hydrogenated Wide Bandgap Semiconductor Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10407-10413. | 4.0 | 104 |

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|----|---|------|-----------|
| 19 | Preparation of ternary Cd _{1-x} Zn _x S nanocrystals with tunable ultraviolet absorption by mechanical alloying. <i>Electronic Materials Letters</i> , 2015, 11, 187-192. | 1.0 | 5 |
| 20 | Lithium-ion Battery Performance of (001)-Faceted TiO ₂ Nanosheets vs. Spherical TiO ₂ Nanoparticles. <i>Energy Technology</i> , 2014, 2, 376-382. | 1.8 | 27 |
| 21 | Influence of the Amount of Hydrogen Fluoride on the Formation of (001)-Faceted Titanium Dioxide Nanosheets and Their Photocatalytic Hydrogen Generation Performance. <i>ChemPlusChem</i> , 2014, 79, 1159-1166. | 1.3 | 24 |
| 22 | Resveratrol-loaded nanocarriers: Formulation, optimization, characterization and in vitro toxicity on cochlear cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 118, 234-242. | 2.5 | 33 |
| 23 | Influence of Surface Chemistry on Cytotoxicity and Cellular Uptake of Nanocapsules in Breast Cancer and Phagocytic Cells. <i>AAPS Journal</i> , 2014, 16, 550-567. | 2.2 | 24 |
| 24 | Amorphous carbon-coated TiO ₂ nanocrystals for improved lithium-ion battery and photocatalytic performance. <i>Nano Energy</i> , 2014, 6, 109-118. | 8.2 | 174 |
| 25 | Uptake and Cytotoxicity of Docetaxel-Loaded Hyaluronic Acid-Grafted Oily Core Nanocapsules in MDA-MB 231 Cancer Cells. <i>Pharmaceutical Research</i> , 2014, 31, 2439-2452. | 1.7 | 32 |
| 26 | Vacuum-treated titanium dioxide nanocrystals: Optical properties, surface disorder, oxygen vacancy, and photocatalytic activities. <i>Catalysis Today</i> , 2014, 225, 2-9. | 2.2 | 162 |
| 27 | Synthesis and photoactivity of nanostructured CdS/TiO ₂ composite catalysts. <i>Catalysis Today</i> , 2014, 225, 64-73. | 2.2 | 159 |
| 28 | Structural evolution from TiO ₂ nanoparticles to nanosheets and their photocatalytic performance in hydrogen generation and environmental pollution removal. <i>RSC Advances</i> , 2014, 4, 16146. | 1.7 | 28 |
| 29 | Hydrogenated black ZnO nanoparticles with enhanced photocatalytic performance. <i>RSC Advances</i> , 2014, 4, 41654-41658. | 1.7 | 81 |
| 30 | Photocatalytic Hydrogen Generation from Pure Water using Silicon Carbide Nanoparticles. <i>Energy Technology</i> , 2014, 2, 183-187. | 1.8 | 33 |
| 31 | A Facile Method to Improve the Photocatalytic and Lithium-ion Rechargeable Battery Performance of TiO ₂ Nanocrystals. <i>Advanced Energy Materials</i> , 2013, 3, 1516-1523. | 10.2 | 166 |
| 32 | Carbon nanoparticles as an interfacial layer between TiO ₂ -coated ZnO nanorod arrays and conjugated polymers for high-photocurrent hybrid solar cells. <i>RSC Advances</i> , 2013, 3, 16308. | 1.7 | 17 |
| 33 | Built-in Electric Field-Assisted Surface-Amorphized Nanocrystals for High-Rate Lithium-Ion Battery. <i>Nano Letters</i> , 2013, 13, 5289-5296. | 4.5 | 143 |
| 34 | Asymmetric Lattice Vibrational Characteristics of Rutile TiO ₂ as Revealed by Laser Power Dependent Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24015-24022. | 1.5 | 155 |
| 35 | Spray drying tenofovir loaded mucoadhesive and pH-sensitive microspheres intended for HIV prevention. <i>Antiviral Research</i> , 2013, 97, 334-346. | 1.9 | 37 |
| 36 | Synthesis and self-assembly of triphenylene-containing conjugated macrocycles. <i>RSC Advances</i> , 2013, 3, 6008. | 1.7 | 8 |

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|----|--|-----|-----------|
| 37 | Directional Heat Dissipation across the Interface in Anatase-Rutile Nanocomposites. ACS Applied Materials & Interfaces, 2013, 5, 9883-9890. | 4.0 | 79 |
| 38 | Preparation of Uncapped CdSe x Te1 ^x Nanocrystals with Strong Near-IR Tunable Absorption. Journal of Electronic Materials, 2013, 42, 3373-3378. | 1.0 | 7 |
| 39 | Formation of TiO ₂ nanomaterials via titanium ethylene glycolide decomposition. Journal of Materials Research, 2013, 28, 326-332. | 1.2 | 14 |
| 40 | Entrapment and release kinetics of furosemide from pegylated nanocarriers. Colloids and Surfaces B: Biointerfaces, 2012, 94, 133-142. | 2.5 | 22 |
| 41 | Encapsulation of docetaxel in oily core polyester nanocapsules intended for breast cancer therapy. Nanoscale Research Letters, 2011, 6, 630. | 3.1 | 30 |
| 42 | Optimization of Formulation Variables Affecting Spray-Dried Oily Core Nanocapsules by Response Surface Methodology. Journal of Pharmaceutical Sciences, 2011, 100, 1031-1044. | 1.6 | 9 |
| 43 | Preparation of uncapped CdSe1 ^x Sx semiconducting nanocrystals by mechanical alloying. Journal of Applied Physics, 2011, 110, . | 1.1 | 7 |
| 44 | Thermodynamics of Drug Nanoencapsulation: Case Study of Phenytoin- Poly (D, L-lactide) Nanocarrier. Current Drug Delivery, 2010, 7, 343-354. | 0.8 | 5 |
| 45 | Formulation of Dacarbazine-loaded Cubosomes. Part III. Physicochemical Characterization. AAPS PharmSciTech, 2010, 11, 1243-1249. | 1.5 | 46 |
| 46 | Sediment Contamination of Residential Streams in the Metropolitan Kansas City Area, USA: Part I. Distribution of Polycyclic Aromatic Hydrocarbon and Pesticide-Related Compounds. Archives of Environmental Contamination and Toxicology, 2010, 59, 352-369. | 2.1 | 7 |
| 47 | Sediment Contamination of Residential Streams in the Metropolitan Kansas City Area, USA: Part II. Whole-Sediment Toxicity to the Amphipod Hyalella azteca. Archives of Environmental Contamination and Toxicology, 2010, 59, 370-381. | 2.1 | 6 |
| 48 | Sedimentary exhalative nickel-molybdenum ores in South China. Economic Geology, 1999, 94, 1051-1066. | 1.8 | 111 |
| 49 | Rhenium and osmium isotopes in black shales and Ni-Mo-PGE-rich sulfide layers, Yukon Territory, Canada, and Hunan and Guizhou provinces, China. Geochimica Et Cosmochimica Acta, 1994, 58, 257-265. | 1.6 | 128 |
| 50 | Cyclic variations of sulfur isotopes in Cambrian stratabound Ni-Mo-(PGE-Au) ores of southern China. Geochimica Et Cosmochimica Acta, 1994, 58, 1813-1823. | 1.6 | 65 |
| 51 | METALS, PHOSPHATE AND STONE COAL IN THE PROTEROZOIC AND CAMBRIAN OF CHINA: The Geologic Setting of Precious Metal-bearing Ni-Mo Ore Beds. SEG Discovery, 1994, , 1-11. | 1.2 | 3 |
| 52 | Marcasite inversion and the petrographic determination of pyrite ancestry. Economic Geology, 1992, 87, 1141-1152. | 1.8 | 91 |
| 53 | Gold and platinum in shales with evidence against extraterrestrial sources of metals. Chemical Geology, 1992, 99, 101-114. | 1.4 | 57 |
| 54 | Genetic implications of stable isotope characteristics of mesothermal Au deposits and related Sb and Hg deposits in the Canadian Cordillera. Economic Geology, 1989, 84, 1489-1506. | 1.8 | 81 |

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|----|--|-----|-----------|
| 55 | Serpentinization of the Acoje massif, Zambales ophiolite, Philippines: hydrogen and oxygen isotope geochemistry. <i>Tectonophysics</i> , 1989, 168, 101-107. | 0.9 | 12 |
| 56 | Comment and Reply on "Dual origins of lode gold deposits in the Canadian Cordillera". <i>Geology</i> , 1987, 15, 472. | 2.0 | 7 |
| 57 | Dual origins of lode gold deposits in the Canadian Cordillera. <i>Geology</i> , 1986, 14, 506. | 2.0 | 111 |
| 58 | Marcasite precipitation from hydrothermal solutions. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 2615-2629. | 1.6 | 263 |