

Michal HegedÅ½s

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

266
citations

840119

11
h-index

940134

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17
all docs

17
docs citations

17
times ranked

272
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Advantageous mechanochemical synthesis of copper(I) selenide semiconductor, characterization, and properties. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 433-442. | 2.3 | 7 |
| 2 | A Unique Mechanochemical Redox Reaction Yielding Nanostructured Double Perovskite Sr ₂ FeMoO ₆ With an Extraordinarily High Degree of Anti-Site Disorder. <i>Frontiers in Chemistry</i> , 2022, 10, 846910. | 1.8 | 5 |
| 3 | Sulfidated nano-scale zerovalent iron is able to effectively reduce in situ hexavalent chromium in a contaminated aquifer. <i>Journal of Hazardous Materials</i> , 2021, 405, 124665. | 6.5 | 42 |
| 4 | Rapid hydrodehalogenation of chlorinated benzoic acids using mechano-thermally prepared Raney alloy with enhanced kinetics. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105764. | 3.3 | 4 |
| 5 | Biomechanochemical Solid-State Synthesis of Silver Nanoparticles with Antibacterial Activity Using Lichens. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13945-13955. | 3.2 | 29 |
| 6 | Promoted crystallisation and cationic ordering in thermoelectric Cu ₂₆ V ₂ Sn ₆ S ₃₂ colusite by eccentric vibratory ball milling. <i>Dalton Transactions</i> , 2020, 49, 15828-15836. | 1.6 | 10 |
| 7 | Tetrahedrites synthesized via scalable mechanochemical process and spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1922-1930. | 2.8 | 13 |
| 8 | Mechanochemistry for Thermoelectrics: Nanobulk Cu ₆ Fe ₂ Sn ₈ /Cu ₂ FeSn ₄ Composite Synthesized in an Industrial Mill. <i>Journal of Electronic Materials</i> , 2019, 48, 1846-1856. | 1.0 | 15 |
| 9 | Photovoltaic materials: Cu ₂ ZnSnS ₄ (CZTS) nanocrystals synthesized via industrially scalable, green, one-step mechanochemical process. <i>Progress in Photovoltaics: Research and Applications</i> , 2019, 27, 798-811. | 4.4 | 27 |
| 10 | Zn source-dependent magnetic properties of undoped ZnO nanoparticles from mechanochemically derived hydrozincite. <i>Journal of Alloys and Compounds</i> , 2019, 787, 1249-1259. | 2.8 | 12 |
| 11 | Microcrystalline Gd ₂ MoO ₆ prepared by combined mechanochemical/thermal process and its magnetic properties. <i>Journal of Materials Science</i> , 2019, 54, 6111-6121. | 1.7 | 11 |
| 12 | Semi-industrial Green Mechanochemical Syntheses of Solar Cell Absorbers Based on Quaternary Sulfides. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2132-2141. | 3.2 | 31 |
| 13 | Mechanochemical approach to a Cu ₂ ZnSnS ₄ solar cell absorber via a "micro-nano" route. <i>Journal of Materials Science</i> , 2018, 53, 13617-13630. | 1.7 | 15 |
| 14 | Mechanochemical syntheses of LiFeGe ₂ O ₆ -based nanocomposite and novel nanoglassy LiFeTi ₂ O ₆ . <i>Journal of Materials Science</i> , 2018, 53, 13530-13537. | 1.7 | 9 |
| 15 | Scalable synthesis of potential solar cell absorber Cu ₂ SnS ₃ (CTS) from nanoprecursors. <i>Journal of Alloys and Compounds</i> , 2018, 768, 1006-1015. | 2.8 | 21 |
| 16 | Rapid mechanochemical synthesis of nanostructured mohite Cu ₂ SnS ₃ (CTS). <i>Journal of Materials Science</i> , 2018, 53, 13631-13642. | 1.7 | 14 |
| 17 | Disorder of the dimeric TCNQ "TCNQ unit in the crystal structure of [Ni(bpy) ₃] ₂ (TCNQ "TCNQ)(TCNQ) ₂ ·6H ₂ O (TCNQ is Tj ETOq.1 1 0.784314 rgBT 0.2 1 | 0.2 | 1 |