

Ivo Jakubec

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

392
citations

11
h-index

18
g-index

52
ext. papers

491
ext. citations

5.5
avg, IF

3.06
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 41 | MoS stacking matters: 3R polytype significantly outperforms 2H MoS for the hydrogen evolution reaction. <i>Nanoscale</i> , 2021 , 13, 19391-19398 | 7.7 | 4 |
| 40 | On the Role of CsPbBr Phase in the Luminescence Performance of Bright CsPbBr Nanocrystals. <i>Nanomaterials</i> , 2021 , 11, | 5.4 | 3 |
| 39 | Photocatalytic degradation of bisphenol A induced by dense nanocavities inside aligned 2D-TiO ₂ nanostructures. <i>Catalysis Today</i> , 2019 , 328, 189-201 | 5.3 | 4 |
| 38 | LuAG:Pr-porphyrin based nanohybrid system for singlet oxygen production: Toward the next generation of PDTX drugs. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018 , 179, 149-155 | 6.7 | 10 |
| 37 | Does hierarchical structure affect the shape selectivity of zeolites? Example of transformation of n-hexane in hydroisomerization. <i>Journal of Catalysis</i> , 2018 , 364, 262-270 | 7.3 | 31 |
| 36 | The nanoscaled metal-organic framework ICR-2 as a carrier of porphyrins for photodynamic therapy. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 2960-2967 | 3 | 10 |
| 35 | Superior activity of non-interacting close acidic protons in Al-rich Pt/H-*BEA zeolite in isomerization of n-hexane. <i>Applied Catalysis A: General</i> , 2017 , 533, 28-37 | 5.1 | 26 |
| 34 | Effect of Enhanced Accessibility of Acid Sites in Micromesoporous Mordenite Zeolites on Hydroisomerization of n-Hexane. <i>ACS Catalysis</i> , 2017 , 7, 5781-5795 | 13.1 | 52 |
| 33 | Redox Paths in Heated TiO ₂ Be ₂ O ₃ and TiO ₂ Be ₃ O ₄ Mixtures Implication of TiO as a Novel Reducing Compound. <i>Journal of Advanced Microscopy Research</i> , 2017 , 12, 104-109 | | 2 |
| 32 | Chapter 7 ZnO-Based Phosphors and Scintillators: Preparation, Characterization, and Performance 2017 , 303-332 | | 1 |
| 31 | Gamma-radiolytic preparation of multi-component oxides. <i>Radiation Physics and Chemistry</i> , 2016 , 124, 68-74 | 2.5 | 3 |
| 30 | E-beam and UV induced fabrication of CeO ₂ , Eu ₂ O ₃ and their mixed oxides with UO ₂ . <i>Radiation Physics and Chemistry</i> , 2016 , 124, 252-257 | 2.5 | 1 |
| 29 | Photo and radiation induced synthesis of (Ni, Zn)O or mixed NiO/ZnO oxides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015 , 304, 245-250 | 1.5 | 4 |
| 28 | Enhancement of activity and selectivity in acid-catalyzed reactions by dealuminated hierarchical zeolites. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2038-41 | 16.4 | 49 |
| 27 | Enhancement of Activity and Selectivity in Acid-Catalyzed Reactions by Dealuminated Hierarchical Zeolites. <i>Angewandte Chemie</i> , 2013 , 125, 2092-2095 | 3.6 | 11 |
| 26 | Photo- and radiation-induced preparation of Y ₂ O ₃ and Y ₂ O ₃ :Ce(Eu) nanocrystals. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1 | 2.3 | 3 |
| 25 | Photochemical preparation of ZnO nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 4529-4537 | 2.3 | 16 |

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|----|--|-----|----|
| 24 | Effect of the particle size and surface area of tungstated zirconia on the WO _x nuclearity and n-heptane isomerization over Pt/WO ₃ /ZrO ₂ . <i>Applied Catalysis A: General</i> , 2011 , 397, 82-93 | 5.1 | 34 |
| 23 | Radiation induced synthesis of powder yttrium aluminium garnet. <i>Radiation Physics and Chemistry</i> , 2011 , 80, 957-962 | 2.5 | 11 |
| 22 | Properties of ZnO nanocrystals prepared by radiation method. <i>Radiation Physics and Chemistry</i> , 2010 , 79, 27-32 | 2.5 | 16 |
| 21 | Influence of hydrogen contamination by mercury on the lifetime of the PEM-type fuel cell. <i>Electrochimica Acta</i> , 2010 , 56, 889-895 | 6.7 | 2 |
| 20 | Ion-conducting lithium bis(oxalato)borate-based polymer electrolytes. <i>Journal of Power Sources</i> , 2009 , 189, 133-138 | 8.9 | 22 |
| 19 | Study of COIL active medium with atomic iodine generated via fluorine atoms 2008 , | | 1 |
| 18 | Chemical oxygen-iodine laser with atomic iodine generated via fluorine atoms. <i>Chemical Physics</i> , 2008 , 345, 14-22 | 2.3 | 4 |
| 17 | Generation of atomic iodine via fluorine for chemical oxygen-iodine laser. <i>Chemical Physics</i> , 2007 , 334, 167-174 | 2.3 | 4 |
| 16 | COIL with supersonic injection of chemically produced atomic iodine 2006 , 6346, 727 | | |
| 15 | Atomic Iodine Generation via Fluorine Atoms for Chemical Oxygen-Iodine Laser. <i>Collection of Czechoslovak Chemical Communications</i> , 2006 , 71, 739-755 | | 2 |
| 14 | Chemical oxygen-iodine laser with atomic iodine generated via Cl or F atoms 2005 , | | 1 |
| 13 | Atomic iodine generation via F atoms for COIL 2004 , | | 2 |
| 12 | Chemical generation of atomic iodine for the chemical oxygen-iodine laser. II. Experimental results. <i>Chemical Physics</i> , 2002 , 282, 147-157 | 2.3 | 7 |
| 11 | Chemical generation of atomic iodine for COIL 2002 , 4631, 34 | | 1 |
| 10 | Preliminary experimental results on chemical generation of atomic iodine for a COIL 2001 , | | 3 |
| 9 | The accelerating role of water in hydrogen insertion into tungsten trioxide. <i>Solar Energy Materials and Solar Cells</i> , 1999 , 56, 231-235 | 6.4 | 6 |
| 8 | Hydrogen photoevolution on InGaP polycrystalline and tandem-type electrodes. <i>European Physical Journal D</i> , 1999 , 49, 775-781 | | 1 |
| 7 | Insertion of Hydrogen into Hexagonal Tungsten Bronzes A _{0.3} WO ₃ (A = K, NH ₄ and Cs). <i>Zeitschrift Fur Physikalische Chemie</i> , 1996 , 194, 69-72 | 3.1 | 8 |

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|---|---|-----|----|
| 6 | Insertion of hydrogen into hexagonal ammonium tungsten bronze (NH ₄) _{0.3} WO ₃ . <i>Electrochimica Acta</i> , 1994 , 39, 2045-2048 | 6.7 | 5 |
| 5 | The increase of stability of Li _x CoO ₂ electrodes of cointercalated sodium. <i>Journal of Power Sources</i> , 1992 , 39, 313-322 | 8.9 | 2 |
| 4 | The preparation and electrochemical properties of chromium oxides CrO _x both in lithium and sodium aprotic electrolytes. <i>Journal of Power Sources</i> , 1992 , 39, 133-145 | 8.9 | 2 |
| 3 | Sodium insertion in manganese dioxide electrodes. <i>Electrochimica Acta</i> , 1992 , 37, 603-606 | 6.7 | 1 |
| 2 | The electrochemical insertion of alkali metal into YBa ₂ Cu ₃ O _{7-δ} superconductor. <i>Electrochimica Acta</i> , 1990 , 35, 995-998 | 6.7 | 13 |
| 1 | Electrochemical insertion of lithium in manganese dioxide. <i>Journal of Power Sources</i> , 1985 , 14, 141-147 | 8.9 | 11 |