Ivo Jakubec

List of Publications by Citations

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	Effect of Enhanced Accessibility of Acid Sites in Micromesoporous Mordenite Zeolites on Hydroisomerization of n-Hexane. *ACS Catalysis*, **2017**, 7, 5781-5795	13.1	52
40	Enhancement of activity and selectivity in acid-catalyzed reactions by dealuminated hierarchical zeolites. *Angewandte Chemie - International Edition*, **2013**, 52, 2038-41	16.4	49
39	Effect of the particle size and surface area of tungstated zirconia on the WOx nuclearity and n-heptane isomerization over Pt/WO3/ZrO2. *Applied Catalysis A: General*, **2011**, 397, 82-93	5.1	34
38	Does hierarchical structure affect the shape selectivity of zeolites? Example of transformation of n-hexane in hydroisomerization. *Journal of Catalysis*, **2018**, 364, 262-270	7.3	31
37	Superior activity of non-interacting close acidic protons in Al-rich Pt/H-*BEA zeolite in isomerization of n-hexane. *Applied Catalysis A: General*, **2017**, 533, 28-37	5.1	26
36	Ion-conducting lithium bis(oxalato)borate-based polymer electrolytes. *Journal of Power Sources*, **2009**, 189, 133-138	8.9	22
35	Photochemical preparation of ZnO nanoparticles. *Journal of Nanoparticle Research*, **2011**, 13, 4529-4537	2.3	16
34	Properties of ZnO nanocrystals prepared by radiation method. *Radiation Physics and Chemistry*, **2010**, 79, 27-32	2.5	16
33	The electrochemical insertion of alkali metal into YBa2Cu3O7−δ superconductor. *Electrochimica Acta*, **1990**, 35, 995-998	6.7	13
32	Enhancement of Activity and Selectivity in Acid-Catalyzed Reactions by Dealuminated Hierarchical Zeolites. *Angewandte Chemie*, **2013**, 125, 2092-2095	3.6	11
31	Radiation induced synthesis of powder yttrium aluminium garnet. *Radiation Physics and Chemistry*, **2011**, 80, 957-962	2.5	11
30	Electrochemical insertion of lithium in manganese dioxide. *Journal of Power Sources*, **1985**, 14, 141-147	8.9	11
29	LuAG:Pr-porphyrin based nanohybrid system for singlet oxygen production: Toward the next generation of PDTX drugs. *Journal of Photochemistry and Photobiology B: Biology*, **2018**, 179, 149-155	6.7	10
28	The nanoscaled metal-organic framework ICR-2 as a carrier of porphyrins for photodynamic therapy. *Beilstein Journal of Nanotechnology*, **2018**, 9, 2960-2967	3	10
27	Insertion of Hydrogen into Hexagonal Tungsten Bronzes A0.3WO3 (A = K, NH4 and Cs). *Zeitschrift Fur Physikalische Chemie*, **1996**, 194, 69-72	3.1	8
26	Chemical generation of atomic iodine for the chemical oxygen–iodine laser. II. Experimental results. *Chemical Physics*, **2002**, 282, 147-157	2.3	7
25	The accelerating role of water in hydrogen insertion into tungsten trioxide. *Solar Energy Materials and Solar Cells*, **1999**, 56, 231-235	6.4	6

24	Insertion of hydrogen into hexagonal ammonium tungsten bronze (NH4)0.3WO3. *Electrochimica Acta*, **1994**, 39, 2045-2048	6.7	5
23	Photo and radiation induced synthesis of (Ni, Zn)O or mixed NiO–ZnO oxides. *Journal of Radioanalytical and Nuclear Chemistry*, **2015**, 304, 245-250	1.5	4
22	Generation of atomic iodine via fluorine for chemical oxygen–iodine laser. *Chemical Physics*, **2007**, 334, 167-174	2.3	4
21	Chemical oxygen–iodine laser with atomic iodine generated via fluorine atoms. *Chemical Physics*, **2008**, 345, 14-22	2.3	4
20	Photocatalytic degradation of bisphenol A induced by dense nanocavities inside aligned 2D-TiO2 nanostructures. *Catalysis Today*, **2019**, 328, 189-201	5.3	4
19	MoS stacking matters: 3R polytype significantly outperforms 2H MoS for the hydrogen evolution reaction. *Nanoscale*, **2021**, 13, 19391-19398	7.7	4
18	Gamma-radiolytic preparation of multi-component oxides. *Radiation Physics and Chemistry*, **2016**, 124, 68-74	2.5	3
17	Photo- and radiation-induced preparation of Y2O3 and Y2O3:Ce(Eu) nanocrystals. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	3
16	Preliminary experimental results on chemical generation of atomic iodine for a COIL **2001**,		3
15	On the Role of CsPbBr Phase in the Luminescence Performance of Bright CsPbBr Nanocrystals. *Nanomaterials*, **2021**, 11,	5.4	3
14	Influence of hydrogen contamination by mercury on the lifetime of the PEM-type fuel cell. *Electrochimica Acta*, **2010**, 56, 889-895	6.7	2
13	Atomic iodine generation via F atoms for COIL **2004**,		2
12	The increase of stability of LixCoO2 electrodes of cointercalated sodium. *Journal of Power Sources*, **1992**, 39, 313-322	8.9	2
11	The preparation and electrochemical properties of chromium oxides CrOx both in lithium and sodium aprotic electrolytes. *Journal of Power Sources*, **1992**, 39, 133-145	8.9	2
10	Atomic Iodine Generation via Fluorine Atoms for Chemical Oxygen-Iodine Laser. *Collection of Czechoslovak Chemical Communications*, **2006**, 71, 739-755		2
9	Redox Paths in Heated TiO–Fe2O3 and TiO–Fe3O4 Mixtures–Implication of TiO as a Novel Reducing Compound. *Journal of Advanced Microscopy Research*, **2017**, 12, 104-109		2
8	E-beam and UV induced fabrication of CeO2, Eu2O3 and their mixed oxides with UO2. *Radiation Physics and Chemistry*, **2016**, 124, 252-257	2.5	1
7	Study of COIL active medium with atomic iodine generated via fluorine atoms **2008**,		1

6	Chemical oxygen-iodine laser with atomic iodine generated via Cl or F atoms **2005**,		1
5	Chemical generation of atomic iodine for COIL **2002**, 4631, 34		1
4	Hydrogen photoevolution on InGaP polycrystalline and tandem-type electrodes. *European Physical Journal D*, **1999**, 49, 775-781		1
3	Sodium insertion in manganese dioxide electrodes. *Electrochimica Acta*, **1992**, 37, 603-606	6.7	1
2	Chapter 7 ZnO-Based Phosphors and Scintillators: Preparation, Characterization, and Performance **2017**, 303-332		1
1	COIL with supersonic injection of chemically produced atomic iodine **2006**, 6346, 727		