

Pavel A Kots

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

752
citations

840776

11
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

451
citing authors

#	ARTICLE	IF	CITATIONS
1	Plastic waste to fuels by hydrocracking at mild conditions. <i>Science Advances</i> , 2021, 7, .	10.3	214
2	Polypropylene Plastic Waste Conversion to Lubricants over Ru/TiO ₂ Catalysts. <i>ACS Catalysis</i> , 2021, 11, 8104-8115.	11.2	112
3	Polyethylene Hydrogenolysis at Mild Conditions over Ruthenium on Tungstated Zirconia. <i>Jacs Au</i> , 2021, 1, 1422-1434.	7.9	95
4	Single pot catalyst strategy to branched products via adhesive isomerization and hydrocracking of polyethylene over platinum tungstated zirconia. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120483.	20.2	71
5	Polyolefin plastic waste hydroconversion to fuels, lubricants, and waxes: a comparative study. <i>Reaction Chemistry and Engineering</i> , 2021, 7, 41-54.	3.7	61
6	Origin of Water-Induced Brønsted Acid Sites in Sn-BEA Zeolites. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5540-5548.	3.1	40
7	Mechanism of SAPO-34 catalyst deactivation in the course of MTO conversion in a slurry reactor. <i>Catalysis Science and Technology</i> , 2018, 8, 1564-1577.	4.1	24
8	Mechanism of Zr Incorporation in the Course of Hydrothermal Synthesis of Zeolite BEA. <i>Inorganic Chemistry</i> , 2018, 57, 11978-11985.	4.0	19
9	Selective hydrogenation of acetone in the presence of benzene. <i>Catalysis Today</i> , 2013, 218-219, 30-34.	4.4	16
10	One-Step Butadiene Synthesis via Gas-Phase Prins Condensation of Propylene with Formaldehyde over Heteropolyacid Catalysts. <i>ACS Catalysis</i> , 2020, 10, 15149-15161.	11.2	16
11	Synthesis of Zr-containing BEC-type germanosilicate with high Lewis acidity. <i>Microporous and Mesoporous Materials</i> , 2017, 243, 186-192.	4.4	15
12	Selective Self-Condensation of Butanal over Zr-BEA Zeolites. <i>ChemCatChem</i> , 2020, 12, 248-258.	3.7	11
13	Enhancement of Lewis Acidity of Cr-Doped Nanocrystalline SnO ₂ : Effect on Surface NH ₃ Oxidation and Sensory Detection Pattern. <i>ChemPhysChem</i> , 2019, 20, 1985-1996.	2.1	9
14	Ethanol to Butanol Conversion over Bifunctional Zeotype Catalysts Containing Palladium and Zirconium. <i>Petroleum Chemistry</i> , 2019, 59, 925-934.	1.4	8
15	Decomposition of Supported Pd Hydride Nanoparticles for the Synthesis of Highly Dispersed Metallic Catalyst. <i>Chemistry of Materials</i> , 2018, 30, 8116-8120.	6.7	7
16	Modification of Acidic Properties of the Support for Pt-Sn/BEA Propane Dehydrogenation Catalysts. <i>Petroleum Chemistry</i> , 2019, 59, 733-738.	1.4	7
17	Isoprene Synthesis from Formaldehyde and Isobutylene over Zeolite Catalysts. <i>Petroleum Chemistry</i> , 2019, 59, 711-718.	1.4	7
18	Self-Encapsulation of Heteropolyacids in a 3D-Ordered Coke Framework for Heterogeneous Catalysis in Homogeneous Way. <i>Chemistry of Materials</i> , 2017, 29, 2676-2680.	6.7	6

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19	Olefin Epoxidation over Metal-Organic Frameworks Modified with Transition Metals. <i>Petroleum Chemistry</i> , 2018, 58, 1255-1262.	1.4	4
20	Complex Pore Structure of Mesoporous Zeolites: Unambiguous TEM Imaging Using Platinum Tracking. <i>ChemPhysChem</i> , 2020, 21, 275-279.	2.1	3
21	Synchrotron XRD and NMR evidence of germanium redistribution during silylation of BEC-type germanosilicate. <i>CrystEngComm</i> , 2017, 19, 5982-5988.	2.6	2
22	Mechanistic study of 1,1-dimethylhydrazine transformation over Pt/SiO ₂ catalyst. <i>RSC Advances</i> , 2018, 8, 36970-36979.	3.6	2
23	Synthesis of Isobutylene from Ethanol in the Presence of Catalysts Containing Zinc Oxide and Zirconia. <i>Petroleum Chemistry</i> , 2018, 58, 1023-1031.	1.4	2
24	The effect of dehydration on the position of cesium cations in the structure of CsNaFAU(Y) studied by powder X-ray diffraction and magic-angle spinning NMR spectroscopy. <i>Russian Chemical Bulletin</i> , 2017, 66, 2021-2027.	1.5	1