Janna V Veselovskaya

List of Publications by Year
in descending order

20	565	687363 13	794594 19
papers	citations	h-index	g-index

20	20	20	481
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Operating limits and features of direct air capture on K2CO3/ZrO2 composite sorbent. Chinese Journal of Chemical Engineering, 2022, 46, 11-20.	3.5	1
2	K2CO3-containing composite sorbents based on a ZrO2 aerogel for reversible CO2 capture from ambient air. Microporous and Mesoporous Materials, 2021, 310, 110624.	4.4	19
3	CO2 Methanation: Nickelâ€“Alumina Catalyst Prepared by Solid-State Combustion. Materials, 2021, 14, 6789.	2.9	8
4	K₂CO₃-Containing Composite Sorbents Based on Thermally Modified Alumina: Synthesis, Properties, and Potential Application in a Direct Air Capture/Methanation Process. Industrial & Engineering Chemistry Research, 2020, 59, 7130-7139.	3.7	32
5	Alkaline-Modified Activated Carbons for Removing Hydrogen Sulfide from Air via Sorption and Catalytic Oxidation: Studying the Effect of Thermal Treatment on the Properties of Materials. Catalysis in Industry, 2019, 11, 335-341.	0.7	2
6	Catalytic methanation of carbon dioxide captured from ambient air. Energy, 2018, 159, 766-773.	8.8	48
7	A Novel Process for Renewable Methane Production: Combining Direct Air Capture by K2CO3/Alumina Sorbent with CO2 Methanation over Ru/Alumina Catalyst. Topics in Catalysis, 2018, 61, 1528-1536.	2.8	44
8	Kinetics of carbon dioxide absorption from air in a flow reactor with a fixed bed of K2CO3-based sorbent. Russian Journal of Physical Chemistry A, 2017, 91, 850-855.	0.6	4
9	Catalytic process for methane production from atmospheric carbon dioxide utilizing renewable energy. Catalysis Today, 2017, 298, 117-123.	4.4	31
10	Direct CO2 capture from ambient air by K2CO3/alumina composite sorbent for synthesis of renewable methane. Renewable Bioresources, 2015, 3, 1.	0.7	13
11	Direct CO2 capture from ambient air using K2CO3/Y2O3 composite sorbent. Fuel, 2014, 127, 212-218.	6.4	52
12	Ammonia sorption on the composites â€œ(BaCl2+BaBr2) inside vermiculite poresâ€• Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 448, 169-174.	4.7	9
13	Direct CO2 capture from ambient air using K2CO3/Al2O3 composite sorbent. International Journal of Greenhouse Gas Control, 2013, 17, 332-340.	4.6	102
14	Novel ammonia sorbents â€˜â€˜porous matrix modified by active saltâ€•for adsorptive heat transformation: 6. The ways of adsorption dynamics enhancement. Applied Thermal Engineering, 2012, 37, 87-94.	6.0	19
15	Novel ammonia sorbents â€œporous matrix modified by active saltâ€•for adsorptive heat transformation: 5. Designing the composite adsorbent for ice makers. Applied Thermal Engineering, 2012, 37, 80-86.	6.0	20
16	Novel ammonia sorbents â€œporous matrix modified by active saltâ€•for adsorptive heat transformation: 4. Dynamics of quasi-isobaric ammonia sorption and desorption on BaCl2/vermiculite. Applied Thermal Engineering, 2011, 31, 566-572.	6.0	30
17	Novel ammonia sorbents â€œporous matrix modified by active saltâ€•for adsorptive heat transformation. Applied Thermal Engineering, 2010, 30, 584-589.	6.0	36
18	Novel ammonia sorbents â€œporous matrix modified by active saltâ€•for adsorptive heat transformation: 2. Calcium chloride in ACF felt. Applied Thermal Engineering, 2010, 30, 845-849.	6.0	31

#	Article	IF	Citations
19	Novel ammonia sorbents â€œporous matrix modified by active saltâ€•for adsorptive heat transformation: 3. Testing of â€œBaCl2/vermiculiteâ€•composite in a lab-scale adsorption chiller. Applied Thermal Engineering, 2010, 30, 1188-1192.	6.0	64
20	Methane Production from Atmospheric Carbon Dioxide Utilizing Renewable Energy. , 0, , .		0