

# Andres Trikkel

## List of Publications by Year in descending order

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30  
papers

445  
citations

687363

13  
h-index

713466

21  
g-index

30  
all docs

30  
docs citations

30  
times ranked

407  
citing authors

#	ARTICLE	IF	CITATIONS
1	High temperature behavior of NiO-based oxygen carriers for Chemical Looping Combustion. Energy Procedia, 2009, 1, 3885-3892.	1.8	51
2	Utilization of Estonian oil shale semicoke. Fuel Processing Technology, 2008, 89, 756-763.	7.2	46
3	TG-FTIR/MS analysis of thermal and kinetic characteristics of some coal samples. Journal of Thermal Analysis and Calorimetry, 2013, 113, 1063-1071.	3.6	36
4	Thermooxidative decomposition of oil shales. Journal of Thermal Analysis and Calorimetry, 2011, 105, 395-403.	3.6	30
5	EDTA impact on Cd <sup>2+</sup> migration in apatite-water system. Journal of Hazardous Materials, 2008, 154, 491-497.	12.4	23
6	TG-FTIR analysis of oxidation kinetics of some solid fuels under oxy-fuel conditions. Journal of Thermal Analysis and Calorimetry, 2013, 114, 483-489.	3.6	23
7	Interactions of ammonium nitrate with different additives. Journal of Thermal Analysis and Calorimetry, 2011, 105, 13-26.	3.6	22
8	Thermogravimetric analysis and process simulation of oxy-fuel combustion of blended fuels including oil shale, semicoke, and biomass. International Journal of Energy Research, 2018, 42, 2213-2224.	4.5	22
9	The role of MgO in the binding of SO <sub>2</sub> by lime-containing materials. Journal of Thermal Analysis and Calorimetry, 2005, 80, 591-597.	3.6	21
10	Title is missing!. Magyar Árvadvizlemények, 2001, 64, 1229-1240.	1.4	19
11	SO <sub>2</sub> binding into the solid phase during thermooxidation of blendsestonian oil shale semicoke. Journal of Thermal Analysis and Calorimetry, 2003, 72, 393-404.	3.6	14
12	Thermo-oxidation characteristics of oil shale and oil shale char under oxy-fuel combustion conditions. Journal of Thermal Analysis and Calorimetry, 2015, 121, 509-516.	3.6	14
13	Heating rate effect on the thermal behavior of ammonium nitrate and its blends with limestone and dolomite. Journal of Thermal Analysis and Calorimetry, 2009, 97, 215-221.	3.6	13
14	Oxy-fuel Combustion of Estonian Oil Shale: Kinetics and Modeling. Energy Procedia, 2016, 86, 124-133.	1.8	13
15	Reactivity of oil shale ashes in the binding of SO <sub>2</sub> . Journal of Thermal Analysis and Calorimetry, 2007, 88, 51-58.	3.6	12
16	Influence of Graphite Pore Forming Agents on the Structural and Electrochemical Properties of Porous Ni-CGO Anode. Journal of the Electrochemical Society, 2012, 159, F849-F857.	2.9	12
17	Evaluation of New Applications of Oil Shale Ashes in Building Materials. Minerals (Basel), 2020, 10, 12.	2.0	12
18	CO <sub>2</sub> and SO <sub>2</sub> uptake by oil shale ashes. Journal of Thermal Analysis and Calorimetry, 2010, 99, 763-769.	3.6	10

#	ARTICLE	IF	CITATIONS
19	Thermal behaviour of ammonium nitrate prills coated with limestone and dolomite powder. Journal of Thermal Analysis and Calorimetry, 2010, 99, 749-754.	3.6	9
20	CO2 Curing of Ca-Rich Fly Ashes to Produce Cement-Free Building Materials. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 702	2.0	9
21	Aqueous mineral carbonation of oil shale mine waste (limestone): A feasibility study to develop a CO2 capture sorbent. Energy, 2021, 221, 119895.	8.8	7
22	Influence of some lime-containing additives on the thermal behavior of urea. Journal of Thermal Analysis and Calorimetry, 2013, 111, 253-258.	3.6	6
23	Thermal Behavior of Ceramic Bodies Based on Estonian Clay from the Arumetsa Deposit with Oil Shale Ash and Clinker Dust Additives. Processes, 2022, 10, 46.	2.8	6
24	A New Perspective on Fluorapatite Dissolution in Hydrochloric Acid: Thermodynamic Calculations and Experimental Study. Inorganics, 2021, 9, 65.	2.7	5
25	Prediction of Flue Gas Composition and Comparative Overall Process Evaluation for Air and Oxyfuel Combustion of Estonian Oil Shale, Using Aspen Plus Process Simulation. Energy & Fuels, 2016, 30, 5893-5900.	5.1	3
26	A thermogravimetric method for comparing the SO2-binding abilities of different lime-containing materials. Journal of Thermal Analysis, 1995, 44, 111-121.	0.6	2
27	Dependence of the interaction mechanisms between l-serine and O-phospho-l-serine with calcium hydroxyapatite and copper modified hydroxyapatite in relation with the acidity of aqueous medium. Journal of Biological Inorganic Chemistry, 2018, 23, 929-937.	2.6	2
28	Reduction of CO2emissions by carbonation of alkaline wastewater. , 2008, , .		2
29	Study of Thermooxidation of Oil Shale Samples and Basics of Processes for Utilization of Oil Shale Ashes. Minerals (Basel, Switzerland), 2021, 11, 193.	2.0	1
30	Reuse of waste ashes formed at oil shale based power industry in Estonia. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	0