Nils Haneklaus

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2717016/publications.pdf

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40	837	567281	552781
papers	citations	15 h-index	26 g-index

41	41	41	313
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of renewable energy, fossil fuel consumption, urbanization and economic growth on CO2 emissions in China. Energy Reports, 2021, 7, 783-791.	5.1	108
2	Reducing CO2 emissions in G7 countries: The role of clean energy consumption, trade openness and urbanization. Energy Reports, 2022, 8, 704-713.	5.1	80
3	Unconventional uranium in China's phosphate rock: Review and outlook. Renewable and Sustainable Energy Reviews, 2021, 140, 110740.	16.4	55
4	To Extract, or not to Extract Uranium from Phosphate Rock, that is the Question. Environmental Science & Technology, 2017, 51, 753-754.	10.0	54
5	Diffusion Bonding and Transient Liquid Phase (TLP) Bonding of Type 304 and 316 Austenitic Stainless Steelâ€"A Review of Similar and Dissimilar Material Joints. Metals, 2020, 10, 613.	2.3	42
6	The potential of Indiaâ€™s net-zero carbon emissions: Analyzing the effect of clean energy, coal, urbanization, and trade openness. Energy Reports, 2022, 8, 724-733.	5.1	36
7	Closing the upcoming EU gypsum gap with phosphogypsum. Resources, Conservation and Recycling, 2022, 182, 106328.	10.8	36
8	Uranium resources in EU phosphate rock imports. Resources Policy, 2019, 61, 151-156.	9.6	31
9	Phosphate Rocks and Nuclear Proliferation. Science and Global Security, 2017, 25, 143-158.	0.3	25
10	Enhancing rare earth element transfer from phosphate rock to phosphoric acid using an inexpensive fly ash additive. Minerals Engineering, 2021, 172, 107166.	4.3	25
11	Uranium and other heavy metal sorption from Moroccan phosphoric acid with argan nutshell sawdust. Minerals Engineering, 2021, 171, 107085.	4.3	23
12	Tube expansion and diffusion bonding of 316L stainless steel tube-to-tube sheet joints using a commercial roller tube expander. Journal of Materials Processing Technology, 2016, 234, 27-32.	6.3	22
13	Impulse Pressure-Assisted Diffusion Bonding (IPADB): Review and Outlook. Metals, 2021, 11, 323.	2.3	20
14	Unconventional Uranium Resources From Phosphates. , 2021, , 286-291.		19
15	Uranium in phosphate fertilizers â€“ review and outlook. , 2015, , 123-130.		18
16	Using high temperature gas-cooled reactors for greenhouse gas reduction and energy neutral production of phosphate fertilizers. Annals of Nuclear Energy, 2015, 75, 275-282.	1.8	17
17	On the Sustainability and Progress of Energy Neutral Mineral Processing. Sustainability, 2018, 10, 235.	3.2	17
18	One-Step Green Synthesis of Water-Soluble Fluorescent Carbon Dots and Its Application in the Detection of Cu2+. Nanomaterials, 2022, 12, 958.	4.1	17

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19	Uranium resources in Chinaâ€™s phosphate rocks â€“ identifying low-hanging fruits. IOP Conference Series: Earth and Environmental Science, 0, 227, 052033.	0.3	16
20	Making Uranium Recovery from Phosphates Great Again?. Environmental Science & Technology, 2020, 54, 1287-1289.	10.0	16
21	Iron(III) removal and rare earth element recovery from a synthetic wet phosphoric acid solution using solvent extraction. Minerals Engineering, 2022, 182, 107569.	4.3	15
22	Increased production of hydrogen with in situ CO2 capture through the process of water splitting using magnetic core/shell structures as novel photocatalysts. Environmental Science and Pollution Research, 2021, 28, 3566-3578.	5.3	14
23	Evaluating radiation risks and resource opportunities associated with phosphogypsum in the Philippines. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 967-974.	1.5	14
24	Uranium supply potential from phosphate rocks for Argentina's nuclear power fleet. Resources Policy, 2019, 62, 397-404.	9.6	13
25	Ecological footprint analysis of the phosphorus industry in China. Environmental Science and Pollution Research, 2022, 29, 73461-73479.	5.3	13
26	Uranium, the Hidden Treasure in Phosphates. Procedia Engineering, 2014, 83, 265-269.	1.2	11
27	Economic evaluation of flameless phosphate rock calcination with concentrated solar power and high temperature reactors. Energy, 2017, 140, 1148-1157.	8.8	11
28	Stop Smokingâ€”Tube-In-Tube Helical System for Flameless Calcination of Minerals. Processes, 2017, 5, 67.	2.8	11
29	Thermal Beneficiation of Sra Ouertane (Tunisia) Low-Grade Phosphate Rock. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.6	11
30	Better filterability and reduced radioactivity of phosphogypsum during phosphoric acid production in Morocco using a fly ash waste and pure silica additive. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 1609-1617.	1.5	10
31	Hybrid friction diffusion bonding of 316L stainless steel tube-to-tube sheet joints for coil-wound heat exchangers. Journal of Mechanical Science and Technology, 2016, 30, 4925-4930.	1.5	9
32	High Temperature Reactors for a new IAEA Coordinated Research Project on energy neutral mineral development processes. Nuclear Engineering and Design, 2016, 306, 198-202.	1.7	7
33	Effective Adsorption of Congo Red from Aqueous Solution Using Fe/Al Di-Metal Nanostructured Composite Synthesised from Fe(III) and Al(III) Recovered from Real Acid Mine Drainage. Nanomaterials, 2022, 12, 776.	4.1	6
34	Ni Interlayer to Improve Low-Pressure Diffusion Bonding of 316L SS Press Fit Tube-to-Tubesheet Joints for Coiled Tube Gas Heaters. Journal of Nuclear Engineering and Radiation Science, 2017, 3, .	0.4	5
35	Rare earths in Philippine phosphogypsum: Use them or lose them. The Extractive Industries and Society, 2022, , 101082.	1.2	4
36	Calcination. , 2021, , 131-138.		2

#	Article	IF	Citations
37	Development of Engineering Parameters for Low Pressure Diffusion Bonds of 316 SS Tube-To-Tube Sheet Joints for FHR Heat Exchangers. , 0, , 583-588.		1
38	Using high temperature reactors for energy neutral phosphate fertilizer and phosphogypsum processing. , 2015, , 785-792.		1
39	Development of Engineering Parameters for Low Pressure Diffusion Bonds of 316 SS Tube-to-Tube Sheet Joints for FHR Heat Exchangers. , 2016, , 583-588.		1
40	Energetic and Economic Significance of Uranium in Mineral Phosphorous Fertilizers. Springer Geology, 2011, , 789-794.	0.3	0