List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5374117/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Numerical modeling of temperature profiles in hardening belitic calcium sulfoaluminate cement-based mortars for permafrost region applications. Journal of Sustainable Cement-Based Materials, 2023, 12, 331-344.	1.7	3
2	Effects of sodium gluconate on hydration reaction, setting, workability, and strength development of calcium sulfoaluminate belite cement mixtures. Journal of Sustainable Cement-Based Materials, 2022, 11, 273-285.	1.7	7
3	Particulate matter emission during municipal solid waste combustion: Submicron particulates formation mechanism. Fuel, 2022, 310, 122271.	3.4	13
4	The fate of char structure and active groups in petroleum coke gasification in a drop tube furnace. Fuel, 2022, 310, 122438.	3.4	9
5	Experimental and numerical verifications of biochar gasification kinetics using TGA. Renewable Energy, 2022, 185, 717-733.	4.3	3
6	Particulate matter emission during MSW/RDF/WW combustion: Inorganic minerals distribution, transformation and agglomeration. Fuel Processing Technology, 2022, 228, 107166.	3.7	13
7	Experimental and Numerical Study of Volt–Ampere Characteristics of a Packed Tube Heated by Joule Heating. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	1.4	4
8	Synergistic effect on the co-gasification of petroleum coke and carbon-based feedstocks: A state-of-the-art review. Journal of the Energy Institute, 2022, 102, 1-13.	2.7	33
9	Reduction of HgCl2 to HgO in flue gas at high temperature. Part â: Influences of oxidative species. Fuel, 2022, 324, 124417.	3.4	7
10	Reduction of HgCl2 to HgO in flue gas at high temperature. Part âj: Acid remover. Fuel, 2022, 324, 124412.	3.4	5
11	An overview of inorganic particulate matter emission from coal/biomass/MSW combustion: Sampling and measurement, formation, distribution, inorganic composition and influencing factors. Fuel Processing Technology, 2021, 213, 106657.	3.7	113
12	Thermal properties of calcium sulfoaluminate cement-based mortars incorporated with expanded perlite cured at cold temperatures. Construction and Building Materials, 2021, 274, 122082.	3.2	20
13	Dissect the capacity of low-temperature oxidation of coal with different metamorphic degrees. Fuel, 2021, 292, 120256.	3.4	24
14	A Review of Hydrothermal Liquefaction of Biomass for Biofuels Production with a Special Focus on the Effect of Process Parameters, Co-Solvents, and Extraction Solvents. Energies, 2021, 14, 4916.	1.6	32
15	Thermo-catalytic reforming of alberta-based biomass feedstock to produce biofuels. Biomass and Bioenergy, 2021, 152, 106203.	2.9	6
16	Study on the spatial and temporal distribution of the bed density in an air dense medium fluidized bed (ADMFB) based on the electrical capacitance tomography (ECT) measurement system. Powder Technology, 2021, 393, 659-669.	2.1	7
17	Extending blending proportions of ordinary Portland cement and calcium sulfoaluminate cement blends: Its effects on setting, workability, and strength development. Frontiers of Structural and Civil Engineering, 2021, 15, 1249-1260.	1.2	9
18	A Comparative Study on Lignite Coal Drying by Different Methods. International Journal of Coal Preparation and Utilization, 2020, 40, 90-106.	1.2	6

#	Article	IF	CITATIONS
19	Particulate Emission from Municipal Solid Waste Combustion: Effect of Si–Al-Based Additives for Its Mitigation. Energy & Fuels, 2020, 34, 15399-15410.	2.5	14
20	Effect of the Composition of Additive Ash on the Thermal Behavior of Petroleum Coke Ash during Gasification. Energy & Fuels, 2020, 34, 12126-12134.	2.5	6
21	The performance of calcium sulfoaluminate cement for preventing early-age frost damage. Construction and Building Materials, 2020, 254, 119322.	3.2	20
22	Utilization and performance evaluation of molasses as a retarder and plasticizer for calcium sulfoaluminate cement-based mortar. Construction and Building Materials, 2020, 243, 118201.	3.2	27
23	Hydrothermal liquefaction of lignocellulosic biomass feedstock to produce biofuels: Parametric study and products characterization. Fuel, 2020, 271, 117534.	3.4	74
24	Microbially-mediated de-watering and consolidation ("Biodensificationâ€ <del>)</del> of oil sands mature fine tailings, amended with agri-business by-products. Nova Scientia, 2020, 12, .	0.0	3
25	Metal oxide nanoparticle-modified graphene oxide for removal of elemental mercury. Environmental Technology (United Kingdom), 2019, 40, 3602-3610.	1.2	7
26	Hydration reaction and strength development of calcium sulfoaluminate cement-based mortar cured at cold temperatures. Construction and Building Materials, 2019, 224, 493-503.	3.2	53
27	Changes in Physicochemical Properties and the Release of Inorganic Species during Hydrothermal Dewatering of Lignite. Industrial & Engineering Chemistry Research, 2019, 58, 13294-13302.	1.8	13
28	27th International Conference on the Impact of Fuel Quality on Power Production and Environment. Energy & Fuels, 2019, 33, 5789-5789.	2.5	2
29	Effect of Acidic Conditions on Surface Properties and Metal Binding Capacity of Clay Minerals. ACS Earth and Space Chemistry, 2019, 3, 2421-2429.	1.2	24
30	Thermal behaviour of nitrogen oxides relevant to oxidative denitrogenation. Journal of Chemical Thermodynamics, 2019, 136, 28-43.	1.0	5
31	What is the production cost of renewable diesel from woody biomass and agricultural residue based on experimentation? A comparative assessment. Fuel Processing Technology, 2019, 191, 79-92.	3.7	27
32	Performance Evaluation of Functionalized Biocarbon for Mercury Capture. Energy & Fuels, 2019, 33, 5867-5874.	2.5	6
33	A review on mercury in coal combustion process: Content and occurrence forms in coal, transformation, sampling methods, emission and control technologies. Progress in Energy and Combustion Science, 2019, 73, 26-64.	15.8	327
34	Inherent thermal regeneration performance of different MnO2 crystallographic structures for mercury removal. Journal of Hazardous Materials, 2019, 374, 267-275.	6.5	50
35	A Techno-Economic Assessment of Renewable Diesel and Gasoline Production from Aspen Hardwood. Waste and Biomass Valorization, 2019, 10, 2745-2760.	1.8	25
36	Predicting the biomass conversion performance in a fluidized bed reactor using isoconversional modelâ€free method. Canadian Journal of Chemical Engineering, 2019, 97, 1263-1273.	0.9	5

#	Article	IF	CITATIONS
37	Enrichment characteristics, thermal stability and volatility of hazardous trace elements in fly ash from a coal-fired power plant. Fuel, 2018, 225, 490-498.	3.4	43
38	Carbon dioxide capture under postcombustion conditions using amine-functionalized SBA-15: Kinetics and multicyclic performance. Separation Science and Technology, 2018, 53, 2683-2694.	1.3	8
39	Thermal stability, chemical speciation and leaching characteristics of hazardous trace elements in FGD gypsum from coal-fired power plants. Fuel, 2018, 231, 94-100.	3.4	54
40	Influence of coal properties on the CO <sub>2</sub> adsorption capacity of coal gasification residues. Energy Science and Engineering, 2018, 6, 321-335.	1.9	17
41	Chemical speciation and leaching characteristics of hazardous trace elements in coal and fly ash from coal-fired power plants. Fuel, 2018, 232, 463-469.	3.4	94
42	Statistical Analysis of Coal Beneficiation Performance in a Continuous Air Dense Medium Fluidized Bed Separator. International Journal of Coal Preparation and Utilization, 2017, 37, 12-32.	1.2	17
43	Bromination of petroleum coke for elemental mercury capture. Journal of Hazardous Materials, 2017, 336, 232-239.	6.5	47
44	Intrinsic gasification rate of oil sands fluid coke with carbon dioxide and steam. Canadian Journal of Chemical Engineering, 2017, 95, 1045-1053.	0.9	3
45	Evaluation of ashâ€free coal for chemical looping combustion ―part I: Thermogravimetric single cycle study and the reaction mechanism. Canadian Journal of Chemical Engineering, 2017, 95, 623-633.	0.9	7
46	Review on chemical upgrading of coal: Production processes, potential applications and recent developments. Fuel Processing Technology, 2017, 158, 35-56.	3.7	87
47	Evaluation of ashâ€free coal for chemical looping combustion ―part II: Thermogravimetric multiâ€cycle performance. Canadian Journal of Chemical Engineering, 2017, 95, 832-838.	0.9	1
48	Silica-Silver Nanocomposites as Regenerable Sorbents for Hg <sup>0</sup> Removal from Flue Gases. Environmental Science & Technology, 2017, 51, 11909-11917.	4.6	49
49	Mercury co-beneficial capture in air pollution control devices of coal-fired power plants. International Journal of Coal Geology, 2017, 170, 48-53.	1.9	57
50	Elemental mercury reaction chemistry on brominated petroleum cokes. Carbon, 2017, 124, 89-96.	5.4	25
51	Single Particle Asphaltene Pyrolysis in a Drop-Tube Furnace. Energy & Fuels, 2016, 30, 6132-6142.	2.5	6
52	Effect of initial coal particle size on coal liquefaction conversion. International Journal of Oil, Gas and Coal Technology, 2016, 12, 63.	0.1	3
53	Release Behaviors of Arsenic in Fine Particles Generated from a Typical High-Arsenic Coal at a High Temperature. Energy & Fuels, 2016, 30, 6201-6209.	2.5	55
54	Contribution to the Understanding of Secondary Pyrolysis of Biomass-Based Slurry under Entrained-Flow Gasification Conditions. Energy & Fuels, 2016, 30, 6448-6457.	2.5	13

#	Article	IF	CITATIONS
55	Analysis of syngas cooler fouling from asphaltene gasification. Fuel Processing Technology, 2016, 152, 7-14.	3.7	11
56	High-purity hydrogen production from ash-free coal by catalytic steam gasification integrated with dry-sorption CO2 capture. Fuel, 2016, 178, 272-282.	3.4	37
57	Distribution of Vanadium, Nickel, and Other Trace Metals in Soot and Char from Asphaltene Pyrolysis and Gasification. Energy & Fuels, 2016, 30, 1605-1615.	2.5	13
58	Steam Regeneration of Polyethylenimine-Impregnated Silica Sorbent for Postcombustion CO <sub>2</sub> Capture: A Multicyclic Study. Industrial & Engineering Chemistry Research, 2016, 55, 2210-2220.	1.8	57
59	Understanding of physicochemical properties and formation mechanisms of fine particular matter generated from Canadian coal combustion. Fuel, 2016, 165, 224-234.	3.4	29
60	Investigation of corrosion and fouling in syngas cooler tubes. Fuel Processing Technology, 2016, 141, 202-209.	3.7	22
61	Modelling Underground Coal Gasification—A Review. Energies, 2015, 8, 12603-12668.	1.6	59
62	Kinetic Study and Thermal Decomposition Behavior of Lignite Coal. International Journal of Chemical Engineering, 2015, 2015, 1-9.	1.4	112
63	Effect of Direct Coal Liquefaction Conditions on Coal Liquid Quality. Energy & Fuels, 2015, 29, 3649-3657.	2.5	14
64	Postcombustion CO <sub>2</sub> capture using Nâ€(3â€ŧrimethoxysilylpropyl)diethylenetriamineâ€grafted solid adsorbent. Energy Science and Engineering, 2015, 3, 207-220.	1.9	50
65	Inorganic Matter Behavior during Coal Gasification: Effect of Operating Conditions and Particle Trajectory on Ash Deposition and Slag Formation. Energy & Fuels, 2015, 29, 1503-1519.	2.5	24
66	Nanocomposites of graphene oxide, Ag nanoparticles, and magnetic ferrite nanoparticles for elemental mercury (Hg <sup>0</sup> ) removal. RSC Advances, 2015, 5, 15634-15640.	1.7	39
67	Numerical simulation of 3-phase fluidized bed particle segregation. Fuel, 2015, 150, 347-359.	3.4	14
68	Chemistry, mineralogical, and residence of arsenic in a typical high arsenic coal. International Journal of Mineral Processing, 2015, 141, 61-67.	2.6	15
69	Pyrolysis of asphaltenes in an atmospheric entrained flow reactor: A study on char characterization. Fuel, 2015, 152, 29-37.	3.4	15
70	Post-combustion CO2 capture using polyethyleneimine impregnated mesoporous cellular foams. Separation and Purification Technology, 2015, 156, 259-268.	3.9	40
71	Development of a process simulation model for energy analysis of hydrogen production from underground coal gasification (UCG). International Journal of Hydrogen Energy, 2015, 40, 10705-10719.	3.8	20
72	Analysis of Soot Formed during the Pyrolysis of Athabasca Oil Sand Asphaltenes. Energy & Fuels, 2015, 29, 6823-6831.	2.5	10

#	Article	IF	CITATIONS
73	Effect of Synthesis Route on Properties of CuO as a High Temperature Oxygen Carrier. Industrial & Engineering Chemistry Research, 2014, 53, 18852-18862.	1.8	4
74	Evaluation of Copper–Aluminum Oxides as Sorbents for High-Temperature Air Separation. Energy & Fuels, 2014, 28, 319-328.	2.5	8
75	Adsorption Behavior of CO <sub>2</sub> in Coal and Coal Char. Energy & Fuels, 2014, 28, 5241-5251.	2.5	23
76	Understanding of mineralogy and residence of trace elements in coals via a novel method combining low temperature ashing and float-sink technique. International Journal of Coal Geology, 2014, 131, 162-171.	1.9	35
77	ZrO2–CuO Sorbents for High-Temperature Air Separation. Industrial & Engineering Chemistry Research, 2014, 53, 10990-10999.	1.8	5
78	Characterization and Refining Pathways of Straight-Run Heavy Naphtha and Distillate from the Solvent Extraction of Lignite. Energy & Fuels, 2014, 28, 4486-4495.	2.5	6
79	K2CO3 catalyzed CO2 gasification of ash-free coal. Interactions of the catalyst with carbon in N2 and CO2 atmosphere. Fuel, 2014, 117, 1181-1189.	3.4	154
80	Chemical–mechanical bromination of biomass ash for mercury removal from flue gases. Fuel, 2013, 108, 54-59.	3.4	44
81	Production and characterization of ash-free coal from low-rank Canadian coal by solvent extraction. Fuel Processing Technology, 2013, 115, 88-98.	3.7	82
82	Carbon Dioxide Adsorption on Amine-Impregnated Mesoporous SBA-15 Sorbents: Experimental and Kinetics Study. Industrial & Engineering Chemistry Research, 2013, 52, 6480-6491.	1.8	158
83	Study of factors affecting syngas quality and their interactions in fluidized bed gasification of lignite coal. Fuel, 2013, 103, 308-320.	3.4	75
84	Evaluation of the Performance of Air Dense Medium Fluidized Bed (ADMFB) for Low-Ash Coal Beneficiation. Part 1: Effect of Operating Conditions. Energy & Fuels, 2013, 27, 5595-5606.	2.5	57
85	Evaluation of the Performance of Air Dense Medium Fluidized Bed (ADMFB) for Low-Ash Coal Beneficiation. Part 2: Characteristics of the Beneficiated Coal. Energy & Fuels, 2013, 27, 5607-5616.	2.5	34
86	Numerical Simulation and Evaluation of Cavity Growth in In Situ Coal Gasification. Industrial & Engineering Chemistry Research, 2013, 52, 11712-11722.	1.8	13
87	Post-Combustion CO <sub>2</sub> Capture Using Solid Sorbents: A Review. Industrial & Engineering Chemistry Research, 2012, 51, 1438-1463.	1.8	1,524
88	Solvent–Coal–Mineral Interaction during Solvent Extraction of Coal. Energy & Fuels, 2012, 26, 6834-6842.	2.5	15
89	Entrained-Flow Gasification of Oil Sand Coke with Coal: Assessment of Operating Variables and Blending Ratio via Response Surface Methodology. Energy & Fuels, 2012, 26, 219-232.	2.5	22
90	Trace elements in coal: Associations with coal and minerals and their behavior during coal utilization – A review. Fuel, 2010, 89, 904-911.	3.4	325

#	Article	IF	CITATIONS
91	Carbon Nanotube-Silver Composite for Mercury Capture and Analysis. Energy & Fuels, 2010, 24, 419-426.	2.5	71
92	Co-gasification of Biomass with Coal and Oil Sand Coke in a Drop Tube Furnace <sup>â€</sup> . Energy & Fuels, 2010, 24, 232-240.	2.5	66
93	Simulations of Axial Mixing of Liquids in a Long Horizontal Pipe for Industrial Applications. Energy & Fuels, 2010, 24, 5844-5850.	2.5	21
94	Emission Control of Mercury and Sulfur by Mild Thermal Upgrading of Coal. Energy & Fuels, 2009, 23, 766-773.	2.5	19
95	Characterization of Ash Deposition and Heat Transfer Behavior of Coals during Combustion in a Pilot-Scale Facility and Full-Scale Utility. Energy & Fuels, 2009, 23, 2570-2575.	2.5	12
96	Low-Grade Coals: A Review of Some Prospective Upgrading Technologies <sup>â€</sup> . Energy & Fuels, 2009, 23, 3392-3405.	2.5	179
97	Progress in carbon dioxide separation and capture: A review. Journal of Environmental Sciences, 2008, 20, 14-27.	3.2	1,765
98	A first approximation kinetic model to predict methane generation from an oil sands tailings settling basin. Chemosphere, 2008, 72, 1573-1580.	4.2	46
99	Advanced Coal Characterization: A Reviewâ€. Energy & Fuels, 2007, 21, 451-460.	2.5	151
100	Factors affecting the vaporisation of silica during coal combustion. Fuel Processing Technology, 2007, 88, 157-164.	3.7	4
101	Assessing slagging and fouling during biomass combustion: A thermodynamic approach allowing for alkali/ash reactions. Fuel Processing Technology, 2007, 88, 1044-1052.	3.7	125
102	Thermomechanical analysis of laboratory ash, combustion ash and deposits from coal combustion. Fuel Processing Technology, 2007, 88, 1099-1107.	3.7	13
103	The physical character of coal char formed during rapid pyrolysis at high pressure. Fuel, 2005, 84, 63-69.	3.4	56
104	The char structure characterization from the coal reflectogram. Fuel, 2005, 84, 1268-1276.	3.4	19
105	A computational fluid dynamics based study of the combustion characteristics of coal blends in pulverised coal-fired furnace. Fuel, 2004, 83, 1543-1552.	3.4	85