Jinichiro Nakano

List of Publications by Year
in descending order

26	614	687363 13	794594 19
papers	citations	h-index	g-index

34	34	34	498
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synchrotron-based X-ray absorption spectroscopy study of vanadium redox speciation during petroleum coke combustion and gasification. Fuel, 2018, 227, 279-288.	6.4	8
2	The Influence of Phosphorous Additions on Phase Evolution in Molten Synthetic Coal Slag. Minerals, Metals and Materials Series, 2017, , 221-229.	0.4	0
3	Potential CO2 Emission Reduction and H2 Production Using Industrial Slag Wastes Originating from Different Industrial Sectors. Minerals, Metals and Materials Series, 2017, , 51-60.	0.4	1
4	Energy Generation from Waste Slags: Beyond Heat Recovery. , 2016, , 131-136.		0
5	Failure mechanisms in Ptâ€“Rh thermocouple sensors caused by gaseous phosphorous species. Corrosion Science, 2016, 103, 30-41.	6.6	8
6	Gaseous Fuel Production Using Waste Slags - Going Beyond Heat Recovery. , 2016, , 627-633.		1
7	Vanadium Oxidation State Determination by X-Ray Absorption Spectroscopy. , 2016, , 1405-1412.		0
8	A High Temperature Double Knudsen Cell Mass Spectrometry Study of Gas Species Evolved From Coalpetcoke Mixed Feedstock Slags. , 2016, , 1119-1125.		0
9	Understanding Phase Equilibria in Slags Containing Vanadium. , 2016, , 1397-1403.		0
10	Achieving waste to energy through sewage sludge gasification using hot slags: syngas production. Scientific Reports, 2015, 5, 11436.	3.3	27
11	Trace element partitioning behavior of coal gangue-fired CFB plant: experimental and equilibrium calculation. Environmental Science and Pollution Research, 2015, 22, 15469-15478.	5.3	29
12	Thermodynamic effects of calcium and iron oxides on crystal phase formation in synthetic gasifier slags containing from 0 to 27 wt.% V2O3. Fuel, 2015, 161, 364-375.	6.4	26
13	A Thermodynamic Study of Mixed Carbon Feedstock Gasification Slags. , 2015, , 5-14.		0
14	Pyrite transformation and sulfur dioxide release during calcination of coal gangue. RSC Advances, 2014, 4, 42506-42513.	3.6	27
15	CO2 and H2O gas conversion into CO and H2 using highly exothermic reactions induced by mixed industrial slags. International Journal of Hydrogen Energy, 2014, 39, 4954-4958.	7.1	21
16	A thermo-mechanical correlation with driving forces for hcp martensite and twin formations in the Feâ€“Mnâ€“C system exhibiting multicomposition sets. Science and Technology of Advanced Materials, 2013, 14, 014207.	6.1	13
17	Viscosity Determination of Molten Ash from Low-Grade US Coals. High Temperature Materials and Processes, 2012, 31, 569-580.	1.4	5
18	Phase Equilibria in Synthetic Coalâ€“Petcoke Slags (Al₂O₃â€“CaOâ€“FeOâ€“SiO₂â€“V₂O₃) under Simulated Gasification Conditions. Energy & Fuels, 2011, 25, 3298-3306.	5.1	44

#	Article	IF	Citations
19	Confocal Scanning Laser Microscopy Studies of Crystal Growth During Oxidation of a Liquid FeO-CaO-SiO2 Slag. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2011, 42, 471-476.	2.1	38
20	Interactions of refractory materials with molten gasifier slags. International Journal of Hydrogen Energy, 2011, 36, 4595-4604.	7.1	62
21	Effects of the thermodynamic parameters of the hcp phase on the stacking fault energy calculations in the Feâ€“Mn and Feâ€“Mnâ€“C systems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2010, 34, 167-175.	1.6	124
22	Crystallization of Synthetic Coalâ˜Petcoke Slag Mixtures Simulating Those Encountered in Entrained Bed Slagging Gasifiers^{â€}. Energy & Fuels, 2009, 23, 4723-4733.	5.1	42
23	The Effect of Alloy Solidification Path on Sulfide Formation in Feâ€“Crâ€“Ni Alloys. ISIJ International, 2009, 49, 355-364.	1.4	15
24	A full thermodynamic optimization of the Znâ€“Feâ€“Al system within the 420â€“500Ââ˜C temperature range. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2007, 31, 125-140.	1.6	54
25	Modeling of the dynamics of transient liquid films in ternary systems. Journal of Phase Equilibria and Diffusion, 2006, 27, 699-706.	1.4	1
26	A crystallographically consistent optimization of the Znâ€“Fe system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2005, 29, 276-288.	1.6	66