Hajime Kinoshita

List of Publications by Year
in descending order

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47 papers	650 citations	686830 13 h-index	610482 24 g-index
48 all docs	48 docs citations	48 times ranked	548 citing authors

#	Article	IF	Citations
1	Ferritic calcium sulfoaluminate belite cement from metallurgical industry residues and phosphogypsum: Clinker production, scale-up, and microstructural characterisation. Cement and Concrete Research, 2022, 154, 106715.	4.6	31
2	Solidification and stabilization of strontium and chloride ions in thermally treated calcium aluminate cement modified with or without sodium polyphosphate. Cement and Concrete Research, 2022, 156, 106758.	4.6	6
3	Decarbonisation of calcium carbonate in sodium hydroxide solutions under ambient conditions: effect of residence time and mixing rates. Physical Chemistry Chemical Physics, 2022, 24, 16125-16138.	1.3	5
4	Producing cement clinker assemblages in the system: CaO-SiO2-Al2O3-SO3-CaCl2-MgO. Cement and Concrete Research, 2021, 144, 106418.	4.6	11
5	The Effect of Fluoride and Iron Content on the Clinkering of Alite-Yeâ€™elimite-Ferrite (AYF) Cement Systems. Frontiers in Built Environment, 2021, 7, .	1.2	1
6	Decarbonisation of calcium carbonate at atmospheric temperatures and pressures, with simultaneous CO₂ capture, through production of sodium carbonate. Energy and Environmental Science, 2021, 14, 6595-6604.	15.6	15
7	Modification of Calcium Aluminate Cement with Phosphate for Incorporation of Strontium Chloride. Journal of Advanced Concrete Technology, 2021, 19, 1296-1308.	0.8	1
8	Production and properties of ferrite-rich CSAB cement from metallurgical industry residues. Science of the Total Environment, 2020, 712, 136208.	3.9	43
9	Influence of mixing solution on characteristics of calcium aluminate cement modified with sodium polyphosphate. Cement and Concrete Research, 2020, 128, 105951.	4.6	7
10	Pyro processing cement kiln bypass dust: Enhancing clinker phase formation. Construction and Building Materials, 2020, 259, 120420.	3.2	11
11	Strontium in Phosphate-Modified Calcium Aluminate Cement. Key Engineering Materials, 2019, 803, 341-345.	0.4	3
12	Phase Formation and Evolution in Mg(OH)₂â€“Zeolite Cements. Industrial & Engineering Chemistry Research, 2018, 57, 2105-2113.	1.8	12
13	Blast furnace slag-Mg(OH)₂ cements activated by sodium carbonate. RSC Advances, 2018, 8, 23101-23118.	1.7	38
14	Reduction of water content in calcium aluminate cement with/out phosphate modification for alternative cementation technique. Cement and Concrete Research, 2018, 109, 243-253.	4.6	28
15	Experimental and thermodynamic assessment of the Ge-Nb-Si ternary phase diagram. Journal of Alloys and Compounds, 2017, 717, 303-316.	2.8	11
16	Gamma irradiation resistance of early age Ba(OH)2-Na2SO4-slag cementitious grouts. Journal of Nuclear Materials, 2016, 482, 266-277.	1.3	13
17	Gamma irradiation resistance of an early age slag-blended cement matrix for nuclear waste encapsulation. Journal of Materials Research, 2015, 30, 1563-1571.	1.2	26
18	Extraction of Mg(OH)₂from Mg silicate minerals with NaOH assisted with H₂O: implications for CO₂capture from exhaust flue gas. Faraday Discussions, 2015, 183, 369-387.	1.6	12

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19	Identification of the hydrate gel phases present in phosphate-modified calcium aluminate binders. Cement and Concrete Research, 2015, 70, 21-28.	4.6	39
20	Structure and properties of binder gels formed in the system Mg(OH)₂â€“SiO₂â€“H₂O for immobilisation of Magnox sludge. Dalton Transactions, 2015, 44, 8126-8137.	1.6	102
21	Alkaline digestion of dunite for Mg(OH)2 production: An investigation for indirect CO2 sequestration. Minerals Engineering, 2014, 59, 31-38.	1.8	5
22	Carbonation of composite cements with high mineral admixture content used for radioactive waste encapsulation. Minerals Engineering, 2014, 59, 107-114.	1.8	18
23	Characterisation of Ba(OH)2â€“Na2SO4â€“blast furnace slag cement-like composites for the immobilisation of sulfate bearing nuclear wastes. Cement and Concrete Research, 2014, 66, 64-74.	4.6	38
24	Corrosion of aluminium metal in OPC- and CAC-based cement matrices. Cement and Concrete Research, 2013, 50, 11-18.	4.6	33
25	Spectroelectrochemical Study of Stainless Steel Corrosion in NaCl-KCl Melt. ECS Meeting Abstracts, 2010, , .	0.0	0
26	Corrosion of Stainless Steel in NaCl-KCl Based Melts. ECS Transactions, 2010, 33, 321-327.	0.3	10
27	Spectroelectrochemical Study of Stainless Steel Corrosion in NaCl-KCl Melt. ECS Transactions, 2010, 33, 277-285.	0.3	6
28	Corrosion of Stainless Steel in NaCl-KCl Based Melts. ECS Meeting Abstracts, 2010, , .	0.0	0
29	High Temperature Behaviour of Polyoxometalates Containing Lanthanides. Materials Research Society Symposia Proceedings, 2008, 1107, 1.	0.1	2
30	Investigation on the Immobilisation of Carbon in OPC-BFS and OPC-PFA Systems. Materials Research Society Symposia Proceedings, 2008, 1107, 1.	0.1	0
31	Molten ceramic solidification during molten state processing of HLW. Materials Research Society Symposia Proceedings, 2006, 932, 1.	0.1	2
32	Mechanical integrity of yttria-stabilised zirconia doped with Np oxide. Materials Research Society Symposia Proceedings, 2006, 932, 1.	0.1	2
33	Stability Evaluation of Fluorite Structure Phases in ZrO2â€”MO2 (M: Th, U, Pu, Ce) Systems by Thermodynamic Modeling.. ChemInform, 2004, 35, no.	0.1	0
34	Phase relation assessment for Oâ€“Puâ€“U ternary system. Journal of Nuclear Materials, 2004, 326, 185-194.	1.3	12
35	Stability evaluation of fluorite structure phase in PuO2â€“UO2â€“ZrO2 system by thermodynamic modelling. Journal of Nuclear Materials, 2004, 334, 90-96.	1.3	6
36	Stability evaluation of fluorite structure phases in ZrO2-MO2 (M=Th, U, Pu, Ce) systems by thermodynamic modelling. Journal of Alloys and Compounds, 2004, 370, 25-30.	2.8	16

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37	Phase Relation Assessment of the Oâ€”Puâ€”Zr System by Thermodynamic Modeling.. ChemInform, 2003, 34, no.	0.1	0
38	Thermodynamic modelling and phase stability assessment of MO2â^'X oxides with a fluorite structure. Journal of Chemical Thermodynamics, 2003, 35, 719-731.	1.0	22
39	Phase relation assessment of the Oâ€“Puâ€“Zr system by thermodynamic modelling. Journal of Alloys and Compounds, 2003, 354, 129-137.	2.8	19
40	Re-evaluation of the phase relationship between plutonium and zirconium dioxides. Progress in Nuclear Energy, 2001, 38, 237-240.	1.3	7
41	Phase Stability of Yttriaâ€Stabilized Zirconia with Dissolved Cerium and Neptunium Oxides Under Oxidizing and Reducing Atmospheres. Journal of the American Ceramic Society, 2000, 83, 391-396.	1.9	16
42	Chemical Durability of Yttria-Stabilized Zirconia for Highly Concentrated TRU Wastes. Materials Research Society Symposia Proceedings, 1999, 608, 393.	0.1	11
43	Al2O3-Doped TiO2 Ceramic Waste Forms Produced by Melting Method. Materials Research Society Symposia Proceedings, 1999, 608, 443.	0.1	0
44	Melting Simulated High-Level Liquid Waste With Addition of TiN and AlN. Materials Research Society Symposia Proceedings, 1999, 608, 449.	0.1	1
45	Identification of oxide phase and alloy phase obtained by heat treatment of calcined high level liquid waste with TiN reducing agent at 1873 K. Journal of Nuclear Materials, 1997, 247, 191-196.	1.3	2
46	Processing High-Level Liquid Waste by Super-High-Temperature Method, (IV). Journal of Nuclear Science and Technology, 1996, 33, 973-980.	0.7	5
47	Processing High-Level Liquid Waste by Super-High-Temperature Method, (IV). Reducing Reactions and Alloy Formation by Platinum Group Elements, Molybdenum and Corrosion Products Taking Place in Simulated HLLW.. Journal of Nuclear Science and Technology, 1996, 33, 973-980.	0.7	2