# Eiki Kasai

## List of Publications by Year in descending order

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| 149 | 2,641 | 196777 | 286692 |
|---|---|---|---|
| papers | citations | 29 | 43 |
| | | h-index | g-index |

| 150 | 150 | 150 | 1424 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Reduction of CO<sub>2</sub> Emissions from Blast Furnace Applying Reactive Coke Agglomerate and Hydrogen Reduction. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2022, 108, 335-342. | 0.1 | 2 |
| 2 | Effects of Iron Ore Type and Gangue Mineral Components on Strength of Sintered Fine Powder Granule. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2021, 107, 463-470. | 0.1 | 3 |
| 3 | Influence of Oxygen Partial Pressure on Oxidation Reaction of Iron-bearing Materials in Iron Ore Sintering Bed. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2021, 107, 431-438. | 0.1 | 0 |
| 4 | Effect of Silica in Ash of Coke on Carburization and Melting of Iron. ISIJ International, 2021, 61, 1479-1487. | 0.6 | 1 |
| 5 | Effect of Ore Type and Gangue Content on Carburization and Melting Behavior of Carbon-Iron Ore Composite. ISIJ International, 2021, 61, 1808-1813. | 0.6 | 5 |
| 6 | Acceleration of Oxidation Reaction of Iron-bearing Materials Co-existed with Carbonaceous Materials in Iron Ore Sintering Bed. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2021, 107, 439-446. | 0.1 | 0 |
| 7 | Reduction of Iron Ore by Uncarbonized Biomass in a Rotary Kiln Type Furnace. ISIJ International, 2021, 61, 2971-2978. | 0.6 | 3 |
| 8 | Effect of Hydrogen Concentration in Reducing Gas on the Changes in Mineral Phases during Reduction of Iron Ore Sinter. ISIJ International, 2020, 60, 2678-2685. | 0.6 | 15 |
| 9 | Development of High Temperature Oxidation Resistant Iron-Based Heat Storage Materials for Rapid Carbonization and Pulverization Process of Biomass. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2020, 106, 527-533. | 0.1 | 2 |
| 10 | Forming Behavior of Fine Particulate Matters during Iron Ore Sintering Process. ISIJ International, 2020, 60, 1649-1654. | 0.6 | 0 |
| 11 | In-situ Evaluation Method for Crack Generation and Propagation Behaviors of Iron Ore Burden during Low Temperature Reduction by Applying Acoustic Emission Method. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2020, 106, 719-726. | 0.1 | 1 |
| 12 | Influence of Heat Treatment Temperature on Self-healing Effect of Fe Particle/Mullite Ceramic Composites. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2020, 106, 844-850. | 0.1 | 3 |
| 13 | Simultaneous Carbonization and Pulverization Behaviors of Woody Biomass by a Rapid Carbonization Process Applying Heat Storage Materials. ISIJ International, 2020, 60, 2107-2111. | 0.6 | 2 |
| 14 | Effect of Types of Carbonaceous Material and CaO Addition on Reduction Behavior of Pre-reduced Iron Oreâ€“Carbon Composite. ISIJ International, 2019, 59, 1011-1017. | 0.6 | 3 |
| 15 | Intra-Particle Water Migration Dynamics during Iron Ore Granulation Process. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2019, 105, 1033-1041. | 0.1 | 0 |
| 16 | Morphology Change and Carburization Characteristic of Iron Ore-Coal Composite During Reduction under a Simulated Condition of Blast Furnace. ISIJ International, 2019, 59, 1982-1990. | 0.6 | 10 |
| 17 | Quantitative Evaluation of Reaction Mode and Reduction Disintegration Behavior of Iron Ore Agglomerates during Low Temperature Reduction. ISIJ International, 2018, 58, 1761-1767. | 0.6 | 5 |
| 18 | Interâ^'particle water infiltration dynamics of iron ore fines during granulation process. Powder Technology, 2018, 339, 550-559. | 2.1 | 8 |

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|---|---|---|---|
| 19 | A New Approach to Processing Rutile from Ilmenite Ore Utilizing the Instability of Pseudobrookite. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 2278-2284. | 1.0 | 4 |
| 20 | In-situ Evaluation Method for Crack Generation and Propagation Behaviors of Iron Ore Burden during Low Temperature Reduction by Applying Acoustic Emission Method. ISIJ International, 2018, 58, 1413-1419. | 0.6 | 4 |
| 21 | Acceleration of Carburization and Melting of Reduced Iron in Iron Oreâ€“Carbon Composite Using Different Types of Carbonaceous Materials. ISIJ International, 2017, 57, 1928-1936. | 0.6 | 17 |
| 22 | Influence of Reducing Gas Composition on Disintegration Behavior of Iron Ore Agglomerates. ISIJ International, 2017, 57, 1499-1508. | 0.6 | 11 |
| 23 | Effective Utilization of KR Slag in Iron Ore Sintering Process. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2017, 103, 357-364. | 0.1 | 5 |
| 24 | Oxidation Characteristics of Metallic Iron and Magnetite Concentrate with Coke in Sintering Bed. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2017, 103, 365-371. | 0.1 | 4 |
| 25 | Development of Manufacturing Principle of Porous Iron by Carbothermic Reduction of Composite of Hematite and Biomass Char. Materials Transactions, 2017, 58, 1742-1748. | 0.4 | 3 |
| 26 | Effect of Addition of CaO Component on the Oxidation Reaction of WÃ¼stite Particles in Sintering Bed. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2017, 103, 341-347. | 0.1 | 0 |
| 27 | Promoting Effect on Oxidation Reaction of Iron-bearing Agglomeration Agent by Melt Formation. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2017, 103, 348-356. | 0.1 | 1 |
| 28 | Intraâ€“Particle Water Migration Dynamics during Iron Ore Granulation Process. ISIJ International, 2017, 57, 1384-1393. | 0.6 | 12 |
| 29 | Reduction Mechanism of Fe<sub>x</sub>O â€” Graphite Composite under Elevating Temperature. ISIJ International, 2016, 56, 233-238. | 0.6 | 2 |
| 30 | Effect of Placement and Reactivity of Iron-ore and Carbon on Iron-ore Softening-melting Properties in Blast Furnace Cohesive Zone. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2016, 102, 475-484. | 0.1 | 4 |
| 31 | Rapid Carbonization Process Using Heat Storage Materials and Characterization of the Obtained Char. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2016, 102, 730-735. | 0.1 | 5 |
| 32 | Vapor pressure measurement of lead and lead chlorides in FeOTâ€“CaOâ€“SiO2â€“Al2O3 system. Transactions of Nonferrous Metals Society of China, 2015, 25, 2772-2780. | 1.7 | 2 |
| 33 | Reduction and Disintegration Behavior of Sinter under N<sub>2</sub>â€“COâ€“CO<sub>2</sub>â€“H<sub>2</sub>â€“H<sub>2</sub>O Gas at 773 K. ISIJ International, 2015, 55, 1181-1187. | 0.6 | 24 |
| 34 | Reduction Mechanism of Composite Consisted of Coal and Hematite Ore by Volatile Matter at 700â€“1100 K. ISIJ International, 2015, 55, 1188-1196. | 0.6 | 17 |
| 35 | Effect of Addition of CaO Component on the Oxidation Reaction of Wustite Particles in Sintering Bed. ISIJ International, 2015, 55, 940-946. | 0.6 | 4 |
| 36 | Effect of the Reduction of Calcium Ferrite on Disintegration Behavior of Sinter under High Hydrogen Atmosphere. ISIJ International, 2015, 55, 1197-1205. | 0.6 | 19 |

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| 37 | Promotion Effect of Melt-formation in the Sintering Bed on the Oxidation Reaction of Metallic Iron Particle Usedas Agglomeration Agent. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2014, 100, 160-169. | 0.1 | 6 |
| 38 | Development of Porous Iron based Material by Slag Foaming and its Reduction. , 2014, 4, 27-32. | | 12 |
| 39 | Effect of Utilization of Metallic Fe Particles as an Agglomeration Agent on the Permeability of Sintering Bed. ISIJ International, 2013, 53, 1617-1624. | 0.6 | 11 |
| 40 | Quantitative Analysis on Contribution of Direct Reduction of Iron Oxide in Carbon Composite. ISIJ International, 2013, 53, 1763-1769. | 0.6 | 12 |
| 41 | Numerical simulation of the ball impact process. Surface and Coatings Technology, 2012, 210, 151-155. | 2.2 | 3 |
| 42 | Reduction Disintegration Behavior of Iron Ore Sinter under High H2 and H2O Conditions. ISIJ International, 2012, 52, 1447-1453. | 0.6 | 31 |
| 43 | Fabrication of hydroxyapatite coatings by the ball impact process. Surface and Coatings Technology, 2012, 206, 3949-3954. | 2.2 | 11 |
| 44 | Gasification and Reduction Behavior of Iron Ore-Carbon Composite under High Pressure. ISIJ International, 2012, 52, 1778-1784. | 0.6 | 8 |
| 45 | Utilization of Ores with High Combined Water Content for Oreâ€“carbon Composite and Iron Coke. ISIJ International, 2011, 51, 1220-1226. | 0.6 | 27 |
| 46 | Reduction Mechanism of Iron Oxideâ€“Carbon Composite with Polyethylene at Lower Temperature. ISIJ International, 2011, 51, 9-13. | 0.6 | 58 |
| 47 | Vitrification Treatment of Asbestos Waste with Incineration Ash of Solid Waste. High Temperature Materials and Processes, 2011, 30, . | 0.6 | 1 |
| 48 | Investigation of structural formation of Alâ€“SiC surface composite under ball collisions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3455-3462. | 2.6 | 25 |
| 49 | Process Analysis of the Effective Utilization of Molten Slag Heat by Direct Blast Furnace Cement Production System. ISIJ International, 2010, 50, 1319-1325. | 0.6 | 7 |
| 50 | Effect of Cr2O3 and WO3 Addition on Pore Formation and Microstructure in Iron Foam. ISIJ International, 2010, 50, 307-313. | 0.6 | 4 |
| 51 | Nanostructured coatings produced by a novel ultrasonic-assisted method: Coating characterisation and formation mechanism. Surface and Coatings Technology, 2010, 204, 2215-2222. | 2.2 | 25 |
| 52 | Fabrication of nanostructured Mo coatings on Al and Ti substrates by ball impact cladding. Surface and Coatings Technology, 2010, 205, 2313-2321. | 2.2 | 23 |
| 53 | Development of dispersed-type sonophotocatalytic process using piezoelectric effect caused by ultrasonic resonance. Ultrasonics Sonochemistry, 2010, 17, 884-891. | 3.8 | 10 |
| 54 | Effect of annealing treatment on the structure and properties of the nanograined TiN coatings produced by ultrasonic-based coating process. Journal of Alloys and Compounds, 2010, 495, 625-628. | 2.8 | 6 |

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| 55 | Numerical and Experimental Investigation on Heat Propagation Through Composite Sinter Bed With Non-Uniform Voidage: Part II Prediction of Process Efficiency. Journal of Iron and Steel Research International, 2010, 17, 1-6. | 1.4 | 1 |
| 56 | Numerical and Experimental Investigation on Heat Propagation Through Composite Sinter Bed With Non-Uniform Voidage: Part I Mathematical Model and Its Experimental Verification. Journal of Iron and Steel Research International, 2010, 17, 1-7. | 1.4 | 9 |
| 57 | A New Drying Process of Dusts and Sludge by Employing Heat Storage Materials. ISIJ International, 2010, 50, 1282-1290. | 0.6 | 4 |
| 58 | Heat Transfer Analysis of the Mosaic Embedding Iron Ore Sintering (MEBIOS) Process. ISIJ International, 2009, 49, 681-686. | 0.6 | 19 |
| 59 | Reduction Behavior of Hematite Composite Containing Polyethylene and Graphite with Different Structures with Increasing Temperature. ISIJ International, 2009, 49, 809-814. | 0.6 | 17 |
| 60 | Effect of the Sonophotocatalytic Pretreatment on the Volume Reduction of Sewage Sludge and Enhanced Recovery of Methane and Phosphorus. Journal of Environmental Engineering, ASCE, 2009, 135, 1399-1405. | 0.7 | 0 |
| 61 | Fabrication of TiN coatings using mechanical milling techniques. International Journal of Refractory Metals and Hard Materials, 2009, 27, 492-497. | 1.7 | 47 |
| 62 | TEM study of TiN coatings fabricated by mechanical milling using vibration technique. Surface and Coatings Technology, 2009, 203, 1879-1884. | 2.2 | 30 |
| 63 | Ball impact cladding of metals with dissimilar metallic foils. Surface and Coatings Technology, 2009, 204, 125-130. | 2.2 | 19 |
| 64 | Structural evolution of the Tiâ€“Al coatings produced by mechanical alloying technique. Journal of Alloys and Compounds, 2009, 483, 386-388. | 2.8 | 26 |
| 65 | Effect of process parameters on the formation of Tiâ€“Al coatings fabricated by mechanical milling. Journal of Alloys and Compounds, 2009, 484, 665-673. | 2.8 | 45 |
| 66 | Analysis of Granules Behavior in Continuous Drum Mixer by DEM. ISIJ International, 2009, 49, 645-649. | 0.6 | 31 |
| 67 | Lowering Reduction Temperature of Iron Ore and Carbon Composite by Using Ores with High Combined Water Content. ISIJ International, 2009, 49, 1686-1693. | 0.6 | 29 |
| 68 | Effect of temperature on deposition of LaPO4 coatings produced by ultrasonic-based coating process on steel substrates. Surface and Coatings Technology, 2008, 202, 4285-4290. | 2.2 | 22 |
| 69 | Production of LaPO4 coatings using a novel ultrasonically-assisted plating technique. Surface and Coatings Technology, 2008, 202, 5180-5184. | 2.2 | 11 |
| 70 | Vaporization behavior of lead from the FeO-CaO-SiO2-Al2O3 slag system. International Journal of Minerals, Metallurgy, and Materials, 2008, 15, 671-677. | 0.2 | 4 |
| 71 | Formation of Hexachlorobenzene from Dusts of an Electric Arc Furnace Used in Steelmaking: Effect of Temperature and Dust Composition. Environmental Science & Technology, 2008, 42, 7459-7463. | 4.6 | 6 |
| 72 | Reduction in Dioxin Emissions by the Addition of Urea as Aqueous Solution to High-temperature Combustion Gas. ISIJ International, 2008, 48, 1305-1310. | 0.6 | 32 |

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|---|---|---|---|
| 73 | Development of a novel method for mechanical plating using ultrasonic vibrations. Surface and Coatings Technology, 2007, 201, 6999-7006. | 2.2 | 36 |
| 74 | Improvement in sonochemical degradation of 4-chlorophenol by combined use of Fenton-like reagents. Ultrasonics Sonochemistry, 2007, 14, 201-207. | 3.8 | 99 |
| 75 | Recent trends in the decomposition of chlorinated aromatic hydrocarbons by ultrasound irradiation and Fenton's reagent. Journal of Material Cycles and Waste Management, 2007, 9, 47-55. | 1.6 | 49 |
| 76 | Effect of Inlet Gas Composition on Dioxins Emission in the Iron Ore Sintering Process. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2006, 92, 417-426. | 0.1 | 3 |
| 77 | Carbothermic Reduction of the Composite Pellet of Iron Ore and Coal in the Packed Bed with Air Flow. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2006, 92, 809-814. | 0.1 | 1 |
| 78 | Properties of Dust Particles Sampled from Windboxes of an Iron Ore Sintering Plant: Surface Structures of Unburned Carbon. ISIJ International, 2006, 46, 1020-1026. | 0.6 | 21 |
| 79 | Vapor Pressure of Zinc and Zinc Chloride in the Fe<SUB>t</SUB>O-CaO-SiO<SUB>2</SUB>-Al<SUB>2</SUB>O<SUB>3</SUB> Slag System. Materials Transactions, 2006, 47, 1341-1346. | 0.4 | 3 |
| 80 | Design of Bed Structure Aiming the Control of Void Structure Formed in the Sinter Cake. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2006, 92, 788-793. | 0.1 | 4 |
| 81 | Numerical Simulation Model for Granulation Kinetics of Iron Ores Based on Discrete Element Method. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2006, 92, 742-747. | 0.1 | 9 |
| 82 | Observation of Behavior of Dioxins and Some Relating Elements in Iron Ore Sintering Bed by Quenching Pot Test. ISIJ International, 2005, 45, 609-617. | 0.6 | 31 |
| 83 | Vapor Pressure Measurements for Metal Chloride Systems by the Knudsen Effusion Method. Materials Transactions, 2005, 46, 1348-1353. | 0.4 | 5 |
| 84 | Functional Forms of Carbon and Chlorine in Dust Samples Formed in the Sintering Process of Iron Ores. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2005, 91, 751-756. | 0.1 | 13 |
| 85 | Vaporization Behavior of Zinc from the FeO-CaO-SiO2-Al2O3 Slag System. ISIJ International, 2005, 45, 1813-1819. | 0.6 | 8 |
| 86 | Numerical Simulation Model for Granulation Kinetics of Iron Ores. ISIJ International, 2005, 45, 500-505. | 0.6 | 19 |
| 87 | Design of Bed Structure Aiming the Control of Void Structure Formed in the Sinter Cake. ISIJ International, 2005, 45, 538-543. | 0.6 | 66 |
| 88 | Preface to the Special Issue on â€œRecent Progress of the Research on the Iron Ore Agglomeration Processâ€• ISIJ International, 2005, 45, 413-413. | 0.6 | 2 |
| 89 | Material Flow of Fluorine in Steel and Chemical Industries. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2005, 91, 199-205. | 0.1 | 1 |
| 90 | Effect of Nitrogen-Containing Compounds on Polychlorinated Dibenzo-p-dioxin/Dibenzofuran Formation through de Novo Synthesis. Environmental Science & Technology, 2005, 39, 795-799. | 4.6 | 42 |

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| 91 | VAPOR PRESSURES AND ENTHALPIES OF SUBLIMATION OF 17 POLYCHLORINATED DIBENZO-p-DIOXINS AND FIVE POLYCHLORINATED DIBENZOFURANS. Environmental Toxicology and Chemistry, 2004, 23, 348. | 2.2 | 42 |
| 92 | Effect of Chlorine on the Vaporization Behavior of Zinc and Lead during High Temperature Treatment of Dust and Fly Ash. ISIJ International, 2004, 44, 1457-1468. | 0.6 | 33 |
| 93 | Influence of Metallic Chlorides on the Formation of PCDD/Fs during Low-Temperature Oxidation of Carbon. Environmental Science & Technology, 2003, 37, 2431-2435. | 4.6 | 74 |
| 94 | Formation behavior of PCDD/Fs in PVC pyrolysis with copper oxide. Chemosphere, 2003, 50, 1235-1242. | 4.2 | 28 |
| 95 | Formation of PCDD/Fs during Oxidation of Carbonaceous Materials at Low Temperatures. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2003, 89, 811-818. | 0.1 | 9 |
| 96 | Vapour Pressure Determination for Dibenzo-p-dioxin, Dibenzofuran, Octachlorodibenzo-p-dioxin and Octachlorodibenzofuran Using a Knudsen Effusion Method. Materials Transactions, 2002, 43, 2903-2907. | 0.4 | 23 |
| 97 | Behavior of dioxin during thermal remediation in the zone combustion process. Chemosphere, 2002, 47, 687-693. | 4.2 | 22 |
| 98 | Formation and transport of PCDD/Fs in the packed bed of soil containing organic chloride during a thermal remediation process. Chemosphere, 2002, 49, 217-224. | 4.2 | 7 |
| 99 | Effect of Properties of Solid Fuel on Dioxin Concentration of the Exhaust Gas in the Iron Ore Sintering Process. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2002, 88, 378-385. | 0.1 | 8 |
| 100 | Promoter Material and Inhibitor Material for Dioxins Formation in Sintering Process. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2002, 88, 370-377. | 0.1 | 7 |
| 101 | Behavior of Trace Chlorine in Sintering Bed and Its Effect on Dioxins Concentration in Exhaust Gas of Iron Ore Sintering. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2002, 88, 59-65. | 0.1 | 10 |
| 102 | Behavior of Dioxins in the Sintering Process of Iron Ores. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2001, 87, 228-237. | 0.1 | 10 |
| 103 | Measurement of Thermodynamic Functions of Solid Phase for DD, DF, OCDD and OCDF, and Estimation of Thermodynamic Functions of Gas Phase for PCDD/Fs Using Molecular Orbital Method with Density Functional Theory. Materials Transactions, 2001, 42, 2531-2536. | 0.4 | 4 |
| 104 | Effects of Slag Compositions on the Rate of Methane-Steam Reaction.. ISIJ International, 2001, 41, 111-115. | 0.6 | 65 |
| 105 | Feasibility of Rotary Cup Atomizer for Slag Granulation.. ISIJ International, 2001, 41, 1423-1428. | 0.6 | 118 |
| 106 | Effect of Additives on the Dioxins Emissions in the Iron Ore Sintering Process.. ISIJ International, 2001, 41, 93-97. | 0.6 | 37 |
| 107 | Macroscopic Behaviors of Dioxins in the Iron Ore Sintering Plants.. ISIJ International, 2001, 41, 86-92. | 0.6 | 37 |
| 108 | Influence of Properties of Fluxing Materials on the Flow of Melt Formed in the Sintering Process.. ISIJ International, 2000, 40, 857-862. | 0.6 | 54 |

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| 109 | Thermodynamic Analysis of Thermochemical Recovery of High Temperature Wastes.. ISIJ International, 2000, 40, 286-291. | 0.6 | 69 |
| 110 | Carbothermic Reduction in the Combustion Bed Packed with Composite Pellets of Iron Oxide and Coal.. ISIJ International, 2000, 40, 842-849. | 0.6 | 21 |
| 111 | Numerical Simulation Model of the Iron Ore Sintering Process Directly Describing the Agglomeration Phenomenon of Granules in the Packed Bed.. ISIJ International, 2000, 40, 448-454. | 0.6 | 65 |
| 112 | Observation of Molten Slag Surface under Gas Impingement by X-ray Computed Tomography.. ISIJ International, 2000, 40, 958-963. | 0.6 | 16 |
| 113 | Thermal remediation of PCDD/Fs contaminated soil by zone combustion process. Chemosphere, 2000, 41, 857-864. | 4.2 | 31 |
| 114 | Influence of Iron Ore Properties on the Flow of Melt Formed in the Sintering Process. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2000, 86, 139-145. | 0.1 | 11 |
| 115 | Remediation Technologies of Ash and Soil Contaminated by Dioxins and Relating Hazardous Compounds.. ISIJ International, 2000, 40, 266-274. | 0.6 | 1 |
| 116 | Effect of Raw Materials Bed Segregation on the Structural Change of Iron Ore Sintering Bed.. ISIJ International, 1999, 39, 396-398. | 0.6 | 12 |
| 117 | Thermodynamic properties of oxygen in REâ€“O (RE=Gd, Tb, Dy, Er) solid solutions. Journal of Alloys and Compounds, 1998, 279, 184-191. | 2.8 | 58 |
| 118 | Rate of Methane-steam Reforming Reaction on the Surface of Molten BF Slag. For Heat Recovery from Molten Slag by Using a Chemical Reaction.. ISIJ International, 1997, 37, 1031-1036. | 0.6 | 92 |
| 119 | Direct Evidence of Electronically Mediated Reaction during TiCl<SUB>4</SUB> Reduction by Magnesium. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1997, 61, 602-609. | 0.2 | 13 |
| 120 | Phase Equilibria and Reaction Pathways during TiCl<SUB>4</SUB> Reduction by Magnesium and Sodium Involving Electronically Mediated Reaction. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1997, 61, 610-618. | 0.2 | 11 |
| 121 | Thermal Analyses of the Sintering Reactions of Iron Ores. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1997, 83, 539-544. | 0.1 | 10 |
| 122 | Mechanochemical changes in gypsum when dry ground with hydrated minerals. Powder Technology, 1996, 87, 67-71. | 2.1 | 27 |
| 123 | Differential Thermal Analysis of Assimilation and Melt-formation Phenomena in the Sintering Process of Iron Ores.. ISIJ International, 1996, 36, 1109-1111. | 0.6 | 26 |
| 124 | Suppression of the Formation of Large Pores in the Assimilated Parts of Sinter Produced Using Pisolitic Ores.. ISIJ International, 1996, 36, 1338-1343. | 0.6 | 19 |
| 125 | Effect of Mixed-grinding on Reduction Process of Carbonaceous Material and Iron Oxide Composite.. ISIJ International, 1995, 35, 1444-1451. | 0.6 | 44 |
| 126 | Elimination Reaction of NO Gas Generated from Coke Combustion in Iron Ore Sinter Bed. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1994, 80, 276-281. | 0.1 | 23 |

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| 127 | Mechano-chemical changes in natural and synthetic zeolites by dry grinding using a planetary ball mill. Advanced Powder Technology, 1994, 5, 189-203. | 2.0 | 8 |
| 128 | Effect of dry grinding on ion-exchange characteristics of synthetic mordenite. Advanced Powder Technology, 1994, 5, 289-296. | 2.0 | 6 |
| 129 | Grinding of ep dust and its effect on solubility of metal compounds in water.. Journal of Chemical Engineering of Japan, 1994, 27, 492-497. | 0.3 | 13 |
| 130 | Effect of water content on grindability of dolomite and its structural change.. Journal of Chemical Engineering of Japan, 1994, 27, 279-283. | 0.3 | 3 |
| 131 | Fossil Energy. Reduction of Nitrogen Oxides Emission from the Iron Ore Sintering Process by Optimizing the Structure of Carbonaceous Fuels.. Kagaku Kogaku Ronbunshu, 1994, 20, 857-864. | 0.1 | 6 |
| 132 | Effects of moisture on grinding of natural calcite by a tumbling ball mill. Advanced Powder Technology, 1993, 4, 311-319. | 2.0 | 9 |
| 133 | Effect of Dry Mixed Grinding of Talc, Kaolinite and Gibbsite on Preparation of Cordierite Ceramics.. Journal of Chemical Engineering of Japan, 1993, 26, 565-569. | 0.3 | 8 |
| 134 | Effect of Mixed Grinding of Powders on Superconducting Properties of YBa2Cu3O7- Ceramics.. Journal of Chemical Engineering of Japan, 1993, 26, 627-632. | 0.3 | 1 |
| 135 | FORMATION OF MULLITE FROM GROUND PRODUCT OF A KAOLINITE-ALUMINUM TRIHYDROXIDE MIXTURE BY SOLID PHASE REACTION. Particulate Science and Technology, 1993, 11, 157-164. | 1.1 | 0 |
| 136 | Subjects on the Evaluation of the Process and Products in the Sintering of Iron Ores. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1993, 79, 1217-1223. | 0.1 | 9 |
| 137 | Mechanism of the Formation of Large Pore in the Assimilated Part in the Sintering Process of Pisolite Ore. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1993, 79, 1145-1150. | 0.1 | 4 |
| 138 | Combustion Rate and NO Emission during Combustion of Coke Granules in Packed Beds. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1992, 78, 1005-1012. | 0.1 | 22 |
| 139 | Effect of Mixed Grinding of Kaolinite-Gibbsite Mixture on Formation of Mullite.. Shigen-to-Sozai, 1992, 108, 221-226. | 0.1 | 9 |
| 140 | Factors governing the strength of agglomerated granules after sintering.. ISIJ International, 1991, 31, 17-23. | 0.6 | 35 |
| 141 | Permeation Characteristics and Void Structure of Iron Ore Sinter Cake.. ISIJ International, 1991, 31, 1286-1291. | 0.6 | 13 |
| 142 | Influence of Property of Iron Ores on the Coalescing Phenomenon of Granules during Sintering. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1991, 77, 56-62. | 0.1 | 15 |
| 143 | Properties of Sinter Produced from Mini-Pellets Consisting of Coarse Iron Ore Particles and Adhering Fine Mixtures Having Quaternaly Calcium Ferrite Composition. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1990, 76, 683-690. | 0.1 | 0 |
| 144 | The effect of raw mixture properties on bed permeability during sintering.. ISIJ International, 1989, 29, 33-42. | 0.6 | 40 |

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