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2022	Nevidimov V.N., Durina Y.M., Krasikov S.A., Zhilina E.M., Bykov A.S.	Anode processes on Pt and ceramic anodes in chloride and oxide-chloride melts	Nuclear Engineering and Technology, 54 (3), pp. 965 - 974
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2016	I. Rönnlund, M.A. Reuter, S. Horn, J. Aho, M. Päällysaho, L. Ylimäki, T. Pursula	Implementation of sustainability indicator framework in the metallurgical industry: Part 2-A case study from the copper industry	International Journal of Life Cycle Assessment (online).
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2015	J Tommiska, A Remes, V Vähäkangas	Carbon formation in catalytic steam reforming of natural gas with SOFC anode off-gas	International Journal of Hydrogen Energy 40:3 (2015)1548-1558
2015	J. M. Hernández Díaz; A. Flores Valdés*; R. Ochoa Palacios	Data Reconciliation of Low Grade Ores and Trace Elements - Gold Balance of Vammala Concentrator	IFAC-Papers OnLine Volume 48, Issue 17, 2015, Pages 108–113
2015	J.X. Chang, D. Wang, T. Liu, G. Zhang, L.H. Lou, J. Zhang	Preparation of Al–Cu alloys by aluminothermic reduction of CuO using submerged powder injection assisted with mechanical agitation: thermodynamic approach and kinetic measurements	International Journal of Cast Metals Research 28:1 (2015) 9-19
2015	Jian-Guang Yang, Xu-Liang Zhang, Jian-Ying Yang	Role of tantalum in the hot corrosion of a Ni-base single crystal superalloy	Corrosion Science 98 (2015) 585–591
2015	Joseph D. Lessard, Leonid N. Shekhter, Daniel G. Gribbin, Yuri Blagoveshchensky, Larry F. McHugh	Separation of Silver from a Zinc Sulfide Concentrate by a Co-smelting Process	JOM 67:2 (2015) 477-483
2015	K Sipilä, M Bojinov, W Mayir	A new technology platform for the production of electronic grade tantalum nanopowders from tantalum scrap sources	International Journal of Refractory Metals and Hard Materials Volume 48, January 2015, Pages 408–413
2015	Kangas Petteri	Effect of chloride and sulfate additions on corrosion of low alloy steel in high-temperature water	Electrochimica acta 173 (2015) 757-770
2015	KCA Nettleton, AN Nikoloski, M Da Costa	Modelling the super-equilibria in thermal biomass conversion : Applications and limitations of the constrained free energy method	Thesis, Åbo Akademi
2015	Keeyoung Jung, Hoe-Jun Heo, Ju-Hyeok Lee, Yoon-Cheol Park, Chung-Yun Kang	The leaching of uranium from betafite	Hydrometallurgy 157 (2015) 270-279
2015	Kemppainen Antti	Enhanced corrosion resistance of hypo-eutectic Al–1Mg–xSi alloys against molten sodium attack in high temperature sodium sulfur batteries	Corrosion Science 98 (2015) 748–757
2015	Kotiranta Tuukka, Horn Susanna, Jansson Kaj, Reuter Markus A.	Limiting phenomena related to the use of iron ore pellets in a blast furnace	Academic dissertation, University of Oulu
2015	L Surl, D Donohoue, A Aiuppa, N Bobrowski	Towardsa "minimum impact" copper concentrator: Sustainability assessment	Procemin 2015

2015	L. Jourdain, T. J. Roberts, M. Pirre, and B. Josse	Quantification of the depletion of ozone in the plume of Mount Etna	Atmospheric Chemistry and Physics 15 (2015) 2613-2628
2015	Lu Zhan, Fafa Xia, Qiuyu Ye, Xishu Xiang, Bing Xie	Modeling the reactive halogen plume from Ambrym volcano and its impact on the troposphere with the CCATT-BRAMS mesoscale model	Atmos. Chem. Phys. Discuss., 15, 35313–35381, 2015
2015	M Iljana, A Kemppainen, EP Heikkinen, T Fabritius…	Novel recycle technology for recovering rare metals (Ga, In) from waste light-emitting diodes	Journal of Hazardous Materials 299 (2015) 388-394
2015	M Iljana, A Kemppainen, T Paananen, O Mattila	A new sophisticated method for evaluating the reduction-softening properties of iron burden materials	METEC & 2nd ESTAD 2015 (15-19 June 2015, Düsseldorf, Germany)
2015	M Radepont, Y Coquinot, K Janssens, JJ Ezrati, Wout De Nolf and Marine Cotte	Effect of Adding Limestone on the Metallurgical Properties of Iron Ore Pellets	International Journal of Mineral Processing 141 (2015) 34-43
2015	M Zabłocka-Malicka, P Rutkowski, W Szczepaniak	Thermodynamic and experimental study of the degradation of the red pigment mercury sulfide	Journal of Analytical Atomic 2015
2015	M. A. Reuter, A. van Schaik	Recovery of copper from PVC multiwire cable waste by steam gasification	Waste Management (2015)
2015	M. de las Obras-Loscertales, M.T. Izquierdo, A. Rufas, L.F. de Diego, F. García-Labiano, A. Abad, P. Gayán, J. Adánez	Product-Centric Simulation-Based Design for Recycling: Case of LED Lamp Recycling	Journal of Sustainable Metallurgy 1:1 (2015) 4-28
2015	M. Scheidema, M.A. Reuter	The fate of mercury in fluidized beds under oxy-fuel combustion conditions	Fuel (2015)
2015	M.A. Reuter, A. van Schaik, J. Gediga	Life Cycle Assessment of metals production based on HSC SIM modelling	Materia, 5, 60-63.
2015	Makkonen Hannu (University of Oulu), Kekki Antti (Aalto), Heikkinen Eetu-Pekka (University of Oulu), Fabritius Timo (University of Oulu), Aromaa Jari (Aalto), Forsen Olof (Aalto)	Simulation-based design for resource efficiency of metal production and recycling systems, Cases: Copper production and recycling, eWaste (LED Lamps), Nickel pig iron	International Journal of Life Cycle Assessment, 20(5), 671-693.
2015	Merete Tangstad, Kiyoshi Ichihara, Eli Ringdalen	Characterization and Sulfuric Acid Leaching of Ferrochrome Converter (CRC) Dust	Steel Research International (2015)
2015	Merete Tangstad, Kiyoshi Ichihara, Eli Ringdalen 3	PRETREATMENT UNIT IN FERROMANGANESE PRODUCTION	Infacon XIV (May 31-June 4, 2015, Kiev, Ukraine)
2015	Milad Roushanafshar, Ning Yan, Karl T. Chuang, Jing-Li Luo	Pretreatment unit in ferromanganese production	Infacon XIV (May 31-June 4, 2015, Kiev, Ukraine)
2015	MJ Truex, BD Lee, CD Johnson, NP Qafoku, GV Last, MH Lee, DI Kaplan	Electrochemical oxidation of sour natural gas over La0.4Ce0.6O1.8–La0.4Sr0.6TiO3±δ anode in SOFC: A mechanism study of H2S effects	Applied Catalysis B: Environmental 176–177 (2015) 627–636
2015	Mocek Piotr	Conceptual Model of Iodine Behavior in the Subsurface at the Hanford Site	PNNL-24709
2015	Mohammad Ramezani, Kalpit Shah, Elham Doroodchi, Behdad Moghtaderi	Electricity power generation using process gases from ferrosilicon process	HUTNIK - WIADOMOŚCI HUTNICZE 2015-3
2015	Nitin Kumar, Maryam Shojaee, JJ Spivey	Application of a novel calcium looping process for production of heat and carbon dioxide enrichment of greenhouses	Energy Conversion and Management 103 (2015) 129–138
2015	P Calloch, IWM Brown, KJD MacKenzie, JV Hanna	Catalytic bi-reforming of methane: from greenhouse gases to syngas	Current Opinion in Chemical Engineering 9 (2015) 8–15
2015	P Sinha, A Wade	Synthesis and properties of new β-Sialon/TiN composites via a novel AlxTiy intermediate	Ceramics International (2015)
2015	Parian Mehdi	Assessment of Leaching Tests for Evaluating Potential Environmental Impacts of PV Module Field Breakage	IEEE Journal of Photovoltaics Issue: 99 (2015)

2015	Plešingerová Beatrice (TU Kosice), Fedoročková Alena (TU Kosice), Jádi Nicolette (TU Kosice), Sučik Gabriel (TU Kosice)	Development of the mineralogical path for geometallurgical modeling of iron ores	Licentiate thesis / Luleå University of Technology
2015	R Gilligan, AN Nikoloski	Comparison of the ability of limestone and concrete to remove heavy metal ions from contaminated water	Acta Metallurgica Slovaca 21:3 (2015) 236-246
2015	R Gilligan, AN Nikoloski	The extraction of uranium from brannerite–A literature review	Minerals Engineering 71 (2015) 34-48
2015	R Gilligan, AP Deditius, AN Nikoloski	Leaching of brannerite in the ferric sulphate system Part 1: Kinetics and reaction mechanisms	Hydrometallurgy 156 (2015) 7
2015	Reuter M.A., van Schaik A.	Leaching of brannerite in the ferric sulphate system. Part 2: Mineralogical transformations during leaching	Hydrometallurgy (2015)
2015	Reuter Markus, Matusewicz Robert, van Schaik Antoinette	Product-centric simulation.based design for recycling: Case of LED lamp recycling	Journal of sustanable metallurgy
2015	S Tuomi, N Kaisalo, P Simell, E Kurkela	Lead, zinc and their minor elements : enablers of a circular economy	Erzmetall 69:3 (2015) 134-148
2015	SA Schmidt, Q Balme, N Gemo, N Kumar, K Eränen	Effect of pressure on tar decomposition activity of different bed materials in biomass gasification conditions	Fuel (2015)
2015	Sanna Tuomi, Noora Kaisalo, Pekka Simell, Esa Kurkela	Kinetics of ethanol hydrochlorination over γ-Al 2 O 3 in a microstructured reactor	Chemical Engineering Science (2015)
2015	Scheidema Madeleine	Effect of pressure on tar decomposition activity of different bed materials in biomass gasification conditions	Fuel 158 (2015) 293-305
2015	Sebastian Wenzel, Thomas Leichtweiss, Dominik Krüger, Joachim Sann, Jürgen Janek	The reaction mechanism and operating window for the decomposition of hydrated magnesium sulfate under reducing conditions	Aalto university publication series : doctoral dissertations (2015:120)
2015	SH Choi, B Ali, SY Kim, SK Hyun, SJ Seo, KT Park	Interphase formation on lithium solid electrolytes—An in situ approach to study interfacial reactions by photoelectron spectroscopy	Solid State Ionics 278 (2015) 98–105
2015	SP Veetil, LC Pasquier, JF Blais, E Cecchi, S Kentish…	Fabrication of Ag–SnO2 Contact Materials from Gas-Atomized Ag–Sn Powder Using Combined Oxidation and Ball-Milling Process	International Journal of Applied Ceramic Technology (2015)
2015	ST Mac an Bhaird, P Hemmingway, E Walsh	Direct gas–solid carbonation of serpentinite residues in the absence and presence of water vapor: a feasibility study for carbon dioxide sequestration	Environmental Science and Pollution Research (2015)
2015	Swain B, Mishra C, Lee CG, Park KS, Lee KJ	Bubbling Fluidised Bed Gasification of Wheat Straw–Gasifier Performance Using Mullite as Bed Material	Chemical Engineering Research and Design (2015)
2015	Takafumi Wakamatsu, Takuya Uchiyama, Shungo Natsui, Tatsuya Kikuchi, Ryosuke O. Suzuki	Valorization of GaN based metal-organic chemical vapor deposition dust a semiconductor power device industry waste through mechanochemical oxidation and leaching: A sustainable green process	Environmental Research 140 (2015) 704-713
2015	Tero Kravtsov	Solubility of gaseous carbon dioxide in molten LiCl–Li2O	Fluid Phase Equilibria 385 (2015) 48–53
2015	Thi Thu Hien-Dinh, Van Tri Luong, Reto Gieré, Tam Tran	Modal mineralogy calculations by using HSC Geo	Sovellettu mineralogia ja geometallurgia Suomen kaivosteollisuudessa (15-16 October 2015, GTK, Espoo, Finland)
2015	Tommiska Jaana, Remes Antti, Vähäkangas Ville	Extraction of lithium from lepidolite via iron sulphide roasting and water leaching	Hydrometallurgy 153 (2015) 154-159
2015	V Verdingovas, L Müller, MS Jellesen, FB Grumsen, R Ambat	Data reconciliation of low grade ores and trace elements : gold balance of the Vammala concentrator	IFAC Workshop on Mining, Minerals and Metal Processing (25-28 August 2015, Oulu, Finland)
2015	V. Duboviks, M. Lomberg, R.C. Maher, L.F. Cohen, N.P. Brandon, G.J. Offer	Effect of iodine on the corrosion of Au-Al wire bonds	Corrosion Science 97 (2015) 161-171
2015	Vincent Girard, David Chiche, Arnaud Baudot, Delphine Bazer-Bachi, Isabelle Clémençon, Florent Moreau, Christophe Geantet	Carbon deposition behaviour in metal-infiltrated gadolinia doped ceria electrodes for simulated biogas upgrading in solid oxide electrolysis cells	Journal of Power Sources 293 (2015) 912–921
2015	Xu Liu, Cecile Bonifacio, Judith C. Yang, Peter Ercius, Brian Gleeson	Innovative low temperature regenerable zinc based mixed oxide sorbents for synthesis gas desulfurization	Fuel 140 (2015) 453-461

2015	Y Ellinger, F Pauzat, O Mousis, A Guilbert-Lepoutre…	Effect of environmental sulfur on the structure of alumina scales formed on Ni-base alloys	Acta Materialia 97 (2015) 41-49
2015	Y Sugawara, T Naruse, T Ebata, I Muto, N Hara	Neutral Na in Cometary Tails as a Remnant of Early Aqueous Alteration	The Astrophysical Journal Letters 801:2 (2015)
2015	YM Lu, J Jiang, C Xia, B Kramm, A Polity, Y.B. He, P.J. Klar, B.K. Meyer	Corrosion Resistance of a Free-Cutting Soft-Magnetic Stainless Steel in Pure Water	MATERIALS TRANSACTIONS (2015)
2015	YM Lu, J Jiang, C Xia, B Kramm, A Polity, YB He	The influence of oxygen flow rate on properties of SnO2 thin films grown epitaxially on c-sapphire by chemical vapor deposition	This Solid Films (2015)
2015	Yunjian Ma, Keqiang Qiu	The influence of oxygen flow rate on properties of SnO2 thin films grown epitaxially on c-sapphire by chemical vapor deposition	Thin Solid Films (2015)
2015	Z Yu, JA Sawada, W An, SM Kuznicki	Fluorine removal from high-fluorine beryllium ore by roasting and leaching pretreatment	International Journal of Mineral Processing 141 (2015) 1–7
2015	Agnieszka Sobianowska –Turek, Włodzimierz Szczepaniak, Monika Zabłocka-Malicka	PtZn-ETS-2: A Novel Catalyst for Ethane Dehydrogenation	AIChE Journal (2015)
2014	Ali Mohammad Bahmanpour, Andrew Hoadley, Akshat Tanksale	Electrochemical evaluation of manganese reducers – recovery of Mn from Zn-Mn and Zn-C battery waste	Journal of Power Sources (2014)
2014	C Lanzerstorfer	Critical review and exergy analysis of formaldehyde production processes	Reviews in Chemical Engineering (2014)
2014	C Lu, CH Lee, W Zhang, T Nishimura, K Nagashio	Investigation of the contamination of a fly ash sample during sample preparation by air classification	International Journal of Environmental Science and Technology, May 2014
2014	C Lu, CH Lee, W Zhang, T Nishimura, K Nagashio and Akira Toriumi	Structural and thermodynamic consideration of metal oxide doped GeO2 for gate stack formation on germanium	Journal of Applied Physics 116, 174103 (2014)
2014	C Oikonomou, R Oro, E Hryha, L Nyborg	Enhancement of thermal stability and water resistance in yttrium-doped GeO2/Ge gate stack	Applied Physics Letters 104:9 (2014)
2014	C. Lanzerstorfer and R. Neuhold	Effect of heat treatment in air on surface composition of iron-phosphate based soft magnetic composite components	Materials Science and Engineering B 189 (2014) 90-99
2014	Chen George Z.	Residues from single-stage dry de-dusting and desulphurization of sinter plant off-gas: enabling partial recirculation by air classification	International Journal of Environmental Science and Technology (2014)
2014	Conrad L. Bender, Pascal Hartmann, Miloš Vračar, Philipp Adelhelm and Jürgen Janek	The FFC Cambridge process and its relevance to valorisation of ilmenite and titanium-rich slag	Mineral Processing and Extractive Metallurgy (Trans IMM C) 2014
2014	D. R. Swinbourne	On the Thermodynamics, the Role of the Carbon Cathode, and the Cycle Life of the Sodium Superoxide (NaO2) Battery	Advanced Energy Materials (2014)
2014	Drouet Christophe	Understanding ferronickel smelting from laterites through computational thermodynamics modelling	Mineral Processing and Extractive Metallurgy (2014)
2014	E Huttunen-Saarivirta, VT K	A Comprehensive Guide to Experimental and Predicted Thermodynamic Properties of Phosphate Apatite Minerals in view of Applicative Purposes	The Journal of Chemical Thermodynamics (2014)
2014	E Hryha, L Nyborg	Thermally grown oxide films and corrosion performance of ferritic stainless steels under simulated exhaust gas condensate conditions	Corrosion Science (2014)
2014	E Selivanov, R Gulyaeva	Oxide Transformation in Cr-Mn-Prealloyed Sintered Steels: Thermodynamic and Kinetic Aspects	Metallurgical and Materials Transactions A 45:4 (2014) 1736-1747
2014	E. Worrell, M.A. Reuter	Chemistry and kinetics (TG/DTA-MS) of metals carbothermical reduction in the FeS-Ni 3 S 2-CaO system	The Thirteenth Russian - Israeli Bi-National Workshop 2014
2014	E.Y. Yazici, H. Deveci	Handbook of Recycling	Handbook of Recycling, Elsevier BV, Amsterdam, 595p. (ISBN 978-0-12-396459-5).
2014	Emma Sairanen, Reetta Karinen, Juha Lehtonen	Ferric sulphate leaching of metals from waste printed circuit boards	International Journal of Mineral Processing 133 (2014) 39-45
2014	FG Simon, T Meggyes	Comparison of Solid Acid-Catalyzed and Autocatalyzed C5 and C6 Sugar Dehydration Reactions with Water as a Solvent	Catalysis Letters (September 2014)
2014	Fleming, Darryn; Kruizenga, Alan	Effective Cleanup of Groundwater Contaminated with Radionuclides Using Permeable Reactive Barriers	Permeable Reactive Barrier: Sustainable Groundwater Remediation (CRC Press) p. 160
2014	G.J. Puts, L. Crouse	Identified Corrosion and Erosion Mechanisms in SCO2 Brayton Cycles	Sandia Report SAND2014-15546

2014	Geoff McConohy, Alan Kruizenga	The influence of inorganic materials on the pyrolysis of polytetrafluoroethylene. Part 1: The sulfates and fluorides of Al, Zn, Cu, Ni, Co, Fe and Mn	Journal of Fluorine Chemistry 168 (2014) 260–267
2014	Glasser Leslie	Molten nitrate salts at 600 and 680 °C: Thermophysical property changes and corrosion of high-temperature nickel alloys	Solar Energy 103 (May 2014) 242–252
2014	Guikuan Yue, , Oscar G. Olvera, Edouard Asselin	Thermodynamics of Inorganic Hydration and of Humidity Control, with an Extensive Database of Salt Hydrate Pairs	Journal of Chemical & Engineering Data (2014)
2014	Guikuan Yue, Edouard Asselin	Speciation of the H2SO4-Fe2(SO4)3-FeSO4-H2O system and development of an expression to predict the redox potential of the Fe3 +/Fe2 + couple up to 150 °C	Hydrometallurgy (2014)
2014	H Le, W Sheng-Kai, Z Xiong, X Bai-Qing, W Wang-Ran, et al	Kinetics of Ferric Ion Reduction on Chalcopyrite and its Influence on Leaching up to 150 °C	Electrochimica Acta (2014)
2014	J Ge, L Hu, W Wang, H Jiao, S Jiao	Effect of ultrathin GeO x interfacial layer formed by thermal oxidation on Al 2 O 3 capped Ge∗	Chin. Phys. B Vol. 23, No. 4 (2014)
2014	J Scalbert, F Thibault-Starzyk, R Jacquot, D Morvan, Frederic Meunier	Electrochemical Conversion of CO2 into Negative Electrode Materials for Li-Ion Batteries	ChemElectroChem (2014)
2014	JAKUB ROLEČEK	Ethanol condensation to butanol at high temperatures over a basic heterogeneous catalyst: How relevant is acetaldehyde self-aldolization?	Journal of Catalysis 311 (2014) 28-32
2014	Jansson Kaj, Kauppi Janne, Kotiranta Tuukka	DESIGN OF NUCLEAR CERAMIC MATERIALS WITH ENHANCED THERMAL CONDUCTIVITY	Master's Thesis, Brno University of Technology
2014	Joseph D. Lessard , Daniel G. Gribbin, Leonid N. Shekhter	Towards minimum impact Cu concentrator – A conceptual study	Materia 72:4 (2014) 64-67
2014	Juliette Dupré, Philippe Bazin, Olivier Marie, Marco Daturi, Xavier Jeandel, Frédéric Meunier	Recovery of Rhenium from Molybdenum and Copper Concentrates during the Looping Sulfide Oxidation Process	International Journal of Refractory Metals and Hard Materials (2014)
2014	Kobelke Jens, Bierlich Jörg, Wondraczek Katrin, Aichele Claudia, Pan Zhiwen, Unger Sonja, Schuster Kay and Bartelt Hartmut	Understanding the storage function of a commercial NOx-storage-reduction material using operando IR under realistic conditions	Applied Catalysis B: Environmental (2014)
2014	Krokstad Magnus	Diffusion and Interface Effects during Preparation of All-Solid Microstructured Fibers	Materials 7 (2014) 6879-6892
2014	KS MWANGI	Electrical Resistivity of Industrial SiC-Crusts	Thesis, NTNU
2014	L Li, S Kim, Z Yang, W Wang, Z Nie, B Chen, J Zhang, Xia G	PHARMACEUTICAL FORMULATION EXCIPIENTS AS CORROSION INHIBITORS FOR LACQUERED TIN PLATED STEEL	Dissertation, University of Nairobi 2014
2014	L. Surl, D. Donohoue, A. Aiuppa, N. Bobrowski, and R. von Glasow	REDOX FLOW BATTERIES BASED ON SUPPORTING SOLUTIONS CONTAINING CHLORIDE	US 20140199607
2014	Lamberg Pertti (Luleå UT), Rosenkranz Jan (Luleå UT)	Quantification of the depletion of ozone in the plume of Mount Etna	Atmospheric Chemistry and Physics Discussions 14 (2014) 23639–23680
2014	Leslie Glasser	Systematic diagnosis of flotation circuit performance based on process mineralogical methods	International Mineral Processing Symposium IMPS, IV (15-17 October 2014, Kusadasi, Turkey)
2014	Loukusa henri	Thermodynamic consistencies and anomalies among end-member lanthanoid garnets	The Journal of Chemical Thermodynamics Volume 78, November 2014, Pages 93–98
2014	M Gasik, A Keski-Honkola, Y Bilotsky, M Friman	Computational module for the calculation of thermochemical equilibria in nuclear fuel	Master's thesis, Aalto University, School of Chemical Technology
2014	M Thyrel	Development and optimisation of hydroxyapatite–ß-TCP functionally gradated biomaterial	Journal of the Mechanical Behavior of Biomedical Materials 30 (2014) 266–273
2014	Maki Matsuka, Kazuki Shigedomi, Tatsumi Ishihara	Spectroscopic characterization of lignocellulosic biomass	Doctoral Thesis, Umeå University
2014	Manuel Corral Valero and Pascal Raybaud	Comparative study of propane steam reforming in vanadium based catalytic membrane reactor with nickel-based catalysts	International Journal of Hydrogen Energy (2014)
2014	Matthew A. Pasek	Stability of Carbon on Cobalt Surfaces in Fischer-Tropsch Reaction Conditions: a DFT Study	Journal of Physical Chemistry C (2014)

2014	Michael Keane, Hui Fan, Minfang Han, Prabhakar Singh	Phosphorus as a lunar volatile	Icarus (2014)
2014	Mokkala Lasse	Role of initial microstructure on nickel-YSZ cathode degradation in solid oxide electrolysis cells	International Journal of Hydrogen Energy (2014)
2014	Nicholas S. Siefert, Shawn L	Suodattimen simulointi Aspen Plus simulointiohjelmistolla	Lappeenranta University of technology, Bachelor's Thesis
2014	NS Siefert, BY Chang, S Litster	Exergy & economic analysis of biogas fueled SOFC systems	Journal of Power Sources (2014)
2014	OJ Lu-Steffes, L Su, DM Jackson, JH Perepezko	Exergy and economic analysis of a CaO-looping gasifier for IGFC–CCS and IGCC–CCS	Applied Energy (2014)
2014	Petteri Kangas, Pertti Koukkari and Ilkka Hannula	Mo–Si–B Coating for Improved Oxidation Resistance of Niobium	Advanced Engineering Materials (2014)
2014	R. H. Davies J. A. Gisby, A. Dinsdale, M. Tyrer, C. S. Walker, F. P. Glasser	Modelling Super-Equilibrium in Biomass Gasification With the Constrained Gibbs Energy Method	2013 AIChE Annual Meeting
2014	Rochim B. Cahyono, Naoto Yasuda, Takahiro Nomura, Tomohiro Akiyama	Thermodynamic modelling of phase equilibria in cement systems: multiple sublattice model for solids in equilibrium with non-ideal aqueous phase	Advances in Applied Ceramics (2014)
2014	S. Lorentzou, G. Karagiannakis, C. Pagkoura, A. Zygogianni, A.G. Konstandopoulos	Optimum temperatures for carbon deposition during integrated coal pyrolysis–tar decomposition over low-grade iron ore for ironmaking applications	Fuel Processing Technology 119 (March 2014) 272–277
2014	Sai Gautam, G., Hari Kumar, K.C.	Thermochemical CO2 and CO2/H2O Splitting over NiFe2O4 for Solar Fuels Synthesis	Energy Procedia 49 (2014) 1999–2008
2014	SP du Preez, JP Beukes, PG van Zyl	Elastic, thermochemical and thermophysical properties of rock salt-type transition metal carbides and nitrides: A first principles study	Journal of Alloys and Compounds 587 (2014) 380-386
2014	T. van Haasterecht, C.C.I. Ludding, K.P. de Jong, J.H. Bitter	Cr (VI) Generation During Flaring of CO-Rich Off-Gas from Closed Ferrochromium Submerged Arc Furnaces	Metallurgical and Materials Transactions B (2014)
2014	Tina Künniger , Andreas C. Gerecke, Andrea Ulrich, Anja Huch, Roger Vonbank, Markus Heeb, Adrian Wichser, Regula Haag, Petra Kunz, Markus Faller	Toward stable nickel catalysts for aqueous phase reforming of biomass-derived feedstock under reducing and alkaline conditions	Journal of Catalysis 319 (2014) 27-35
2014	TJ Roberts, RS Martin, L Jourdain	Release and environmental impact of silver nanoparticles and conventional organic biocides from coated wooden façades	Environmental pollution 184 (2014) 464-471
2014	V Girard, A Baudot, D Chiche, D Bazer-Bachi, C Bounie…	Reactive bromine chemistry in Mount Etna's volcanic plume: the influence of total Br, high-temperature processing, aerosol loading and plume–air mixing	Atmospheric Chemistry and Physics (2014)
2014	VIRGILIO RUBIO-NIEBLAS et al.	Rational selection of single oxide sor Q1 bents for syngas desulfurization 4 regenerable at reduced temperature: Thermochemical calculations 5 and experimental study	Fuel (2014) [Article in print]
2014	VIRGILIO RUBIO-NIEBLAS, MANUEL PEREZ-TELLO, RICHARD A. JACOBS, RONALDO HERRERA -URBINA	TWO-DIMENSIONAL COMPUTATIONAL MODELING OF THE ELECTROKINETIC REMEDIATION OF A COPPER-CONTAMINATED SOIL PART I: MODEL VALIDATION	DYNA 81:183 (2014) 199-207
2014	Wei Liu, Honglin Luo, Wenqing Qing, Yongxing Zheng, Kang Yang, Junwei Han	Two-dimensional computational modeling of the electrokinetic remediation of a copper-contaminated soil part I: Model validation	Dyna 81:183 (2014) 199-207
2014	Yoon-Kyu Yia, Hyun-Soo Kima, Tam Trana, Sung Kil Hongb & Myong Jun Kima	Investigation into Oxygen-Enriched Bottom-Blown Stibnite and Direct Reduction	Metallurgical and Materials Transactions B (April 2014)
2014	YT Shah, TH Gardner	Recovering Valuable Metals from Recycled Photovoltaic Modules	Journal of the Air & Waste Management Association (2014)
2014	ØS Sortland, M Tangstad	Dry Reforming of Hydrocarbon Feedstocks	Catalysis Reviews (2014)

2014	ALIYA TOLEUOVA, VLADIMIR YUFIT, STEFAAN SIMONS, WILLIAM C. MASKELL and DANIEL J.L. BRETT	Boron Removal from Silicon Melts by H2O/H2 Gas Blowing: Mass Transfer in Gas and Melt	Metallurgical and Materials Transactions E (June 2014)
2013	Ana Maria Martinez, Ole Kjos, Egil Skybakmoen, Asbjørn Solheim, and Geir Martin Haarberg	A review of liquid metal anode solid oxide fuel cells	Journal of Electrochemical Science and Engineering (2013)
2013	Anne K. Starace, Judith C. Gomez, Greg C. Glatzmaier	Extraction of Rare Earth Metals from Nd-based Scrap by Electrolysis from Molten Salts Rare Earth and Nuclear Chemistry	ECS Transactions 50:11 (2013) 453-461
2013	Benedikt Nowak, Philipp Aschenbrenner, Franz Winter	Can particle-stabilized inorganic dispersions be high-temperature heat-transfer and thermal energy storage fluids?	Journal of Materials Science February 2013
2013	Berlanga C., Ruiz JA (Universidad Pública de Navarra)	Heavy metal removal from sewage sludge ash and municipal solid waste fly ash — A comparison	Fuel Processing Technology 105 (2013) 195–201
2013	Brandon J. Hathaway, Masanori Honda, David B. Kittelson, Jane H. Davidson	Study of corrosion in a biomass boiler	Journal of Chemistry (2013)
2013	C. Souza, D. Majuste, V.S.T. Ciminelli	Steam gasification of plant biomass using molten carbonate salts	Energy 49 (2013) 211-217
2013	Cecilia Lund	Effects of surface properties of activated carbon on the adsorption mechanism of copper cyanocomplexes	Hydrometallurgy (2013)
2013	D Corrales-Pérez, FM Romero	Mineralogical, Chemical and Textural Characterisation of the Malmberget Iron Ore Deposit for a Geometallurgical Model	Doctoral Thesis, Luleå University of Technology
2013	Ding J (Shenyang Aerospace University)	Evaluación de la peligrosidad de jales de zonas mineras de Nicaragua y México y alternativas de solución	Boletín de la Sociedad Geológica Mexicana 65:3 (2013) 427-446
2013	Dragana Ivšić-Bajčeta, Željko Kamberović, Jelena Rogan, Milorad Ćirković, Toplica Pavlović	Investigation of thermodynamic equilibrium of MSWI fly ash during high-temperature treatment	Advanced Materials Research 610-613 (2013) 1871-1875
2013	E Hryha, L Nyborg	Analysis of copper losses throughout weak acid effluent flows generated during off-gas treatment in the New Copper Smelter RTB Bor	1st MME SEE CONGRESS (23-25 May 2013, Belgrade, Serbia)
2013	E.Y. Yazici, H. Deveci	Oxide Transformation in Cr-Mn-Prealloyed Sintered Steels: Thermodynamic and Kinetic Aspects	Metallurgical and Materials Transactions A
2013	F Tesfaye, P Taskinen	Extraction of Metals from Waste Printed Circuit Boards (WPCBs) in H2SO4-CuSO4-NaCl Solutions	Hydrometallurgy (2013)
2013	Fiseha Tesfaye, Pekka Taskinen, Markus Aspiala, Dawei Feng	Experimental Thermodynamic Study of the Equilibrium Phase AgBi3S5 by an Improved EMF Method	Thermochimica Acta (2013)
2013	FJ Moura, HM Veit	Experimental thermodynamic study of intermetallic phases in the binary Ag–Te system by an improved EMF method	Intermetallics 34 (2013) 56-62
2013	Franziska Klein, Birte Jache,	PHYSICAL CHEMISTRY CHARACTERIZATION OF PRINTED CIRCUIT BOARD OF MOBILE PHONES	Tecnologia em Metalurgia, Materiais e Mineração 10:3 (2013) 231-238
2013	G. Sai Gautam, K.C. Hari Kumar	Conversion reactions for sodium-ion batteries	
2013	Ganesh R. Kale, Bhaskar D. Kulkarni	Elastic, thermochemical and thermophysical properties of rock salt-type transition metal carbides and nitrides: a first principles study	Journal of Alloys and Compounds (2013)
2013	Glasser L.	Thermoneutral conditions in dry reforming of ethanol	Asia-Pacific Journal of Chemical Engineering (2013)
2013	Glasser Leslie	Thermodynamic estimation: Ionic materials	Journal of Solid State Chemistry 206 (2013) 139-144
2013	Glasser Leslie (Curtin University)	Single-Ion Values for Ionic Solids of Both Formation Enthalpies, ΔfH(298)ion, and Gibbs Formation Energies, ΔfG(298)ion	Inorganic Chemistry (2013)
2013	Hervé Toulhoat, Laurent Forti	Estimation of the Thermodynamics of Ionic Materials	Materials Science & Nanotechnology 1:1 (2013)

2013	Jochen Brellochs, Stefan Steiert, Peter Sichler, Tonja Marquard-Möllenstedt, Michael Specht (ZSW)	Valorisation chimique du CO2 : les conditions du sens	l'Actualité Chimique 371-372 (2013) 35-49
2013	Joseph D. Lessard, Leonid N. Shekhter, Daniel G. Gribbin, Lawrence F. McHugh	Machbarkeitsstudie für die Methanerzeugung aus fester Biomasse durch hydrierende Vergasung mit Wasserstoff aus erneuerbarer Energie	Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW) 2013
2013	JW Hedenquist, YA Taran	Thermodynamic Analysis of Looping Sulfide Oxidation Production of MoO2 from Molybdenite for Energy Capture and Generation	JOM (2013)
2013	Kangas P, Koukkari P (VTT)	Modeling the Formation of Advanced Argillic Lithocaps: Volcanic Vapor Condensation Above Porphyry Intrusions	Economic Geology 108 (2013) 1523-1540
2013	Le Ge, Atul Verma, Richard Goettler, David Lovett, R. K. Singh Raman, Prabhakar Singh	Modelling Super-Equilibrium in Biomass Gasification With the Constrained Gibbs Energy Method	AIChE 2013 Annual Meeting
2013	Leslie Glasser	Oxide Scale Morphology and Chromium Evaporation Characteristics of Alloys for Balance of Plant Applications in Solid Oxide Fuel Cells	Metallurgical and Materials Transactions A 44:1 (2013) 193-206
2013	Lindberg Daniel (ÅA), Backman Rainer (Sintef), Chartrand Patrice (École Polytechnique), Hupa Mikko (ÅA)	Ambient Heat Capacities and Entropies of Ionic Solids: A Unique View Using the Debye Equation	Inorganic Chemisrty (2013)
2013	M Ali-Dib, O Mousis, GS Pekmezci, JI Lunine	Towards a comprehensive thermodynamic database for ash-forming elements in biomass and waste combustion : Current situation and future developments	Fuel Processing Technology 105 (2013) 129–141
2013	Natal'ya P. Brevnova, Ilya B. Polovov, Mikhail V. Chernyshov, Vladimir A. Volkovich, Boris D. Vasin, and Trevor R. Griffiths	Influence of the C/O ratio on titanium and vanadium oxides in protoplanetary disks	Astronomy & Astrophysics (2013)
2013	Nicholas S. Siefert, , Shawn Litster	Electronic Absorption Spectra of Niobium Species in Halide Melts New Molten Salts and Ionic Liquids and Their Properties	ECS Transactions 50:11 (2013) 325-338
2013	Nurk G (University of Tartu), Huthwelker T (Paul Scherrer Institut), Braun A (Empa), Ludwig C (Paul Scherrer Institut), Lust E (University of Tartu), Struis RPWL (Paul Scherrer Institut)	Exergy and economic analyses of advanced IGCC–CCS and IGFC–CCS power plants	Applied Energy 107 (2013) 315–328
2013	P Taskinen, S Patana, P Kobylin, P Latostenmaa	Redox dynamics of sulphur with Ni/GDC anode during SOFC operation at mid- and low-range temperatures: An operando S K-edge XANES study	Journal of Power Sources 240 (2013) 448–457
2013	Pascal Hartmann, Thomas Leichtweiss, Martin R. Busche, Meike Schneider, Marisa Reich, Joachim Sann, Philipp Adelhelm, and Jürgen Janek	Oxidation Mechanism of Silver Selenide	Oxidation of Metals (2013)
2013	Perkkalainen Terhi	Degradation of NASICON-Type Materials in Contact with Lithium Metal: Formation of Mixed Conducting Interphases (MCI) on Solid Electrolytes	J. Phys. Chem. C, 2013, 117 (41), pp 21064–21074
2013	Pickles, C.A. , Harris, C.T., Peacey, J., Forster, J.	Lyijy (II) kloridin fotofragmentointiin perustuvan mittaustekniikan kalibrointi ja vaihtoehtoisten valonlähteiden kartoitus	Diplomityö, Tampereen teknillinen yliopisto, 2013
2013	Piotr Jarosz	Thermodynamic analysis of the Fe-Ni-Co-Mg-Si-O-H-S-C-Cl system for selective sulphidation of a nickeliferous limonitic laterite ore	Minerals Engineering (2013)
2013	Reinsalo Ari-Matti	Preparation of Steels and Cast Irons with the Addition of Molybdenum and Vanadium	JOM 65:11 (2013) 1615-1621

2013	Renato Baldan, Rafaela Lisboa Pereira da Rocha, Rafael Bogado Tomasiello, Carlos Angelo Nunes, Alex Matos da Silva Costa, Miguel Justino Ribeiro Barboza, Gilberto Carvalho Coelho, Ruben Rosenthal	Continuous parameter estimation for online process simulator	Master's Thesis, Aalto University 2013
2013	Ryosuke O. Suzuki, Koya Otake, Takuya Uchiyama, Hiroshi Kinoshita, Norihito Sakaguchi, and Tatsuya Kikuchi	Solutioning and Aging of MAR-M247 Nickel-Based Superalloy	Journal of Materials Engineering and Performance (April 2013)
2013	Sabrina A. Schmidt, Narendra Kumar, Arne Reinsdorf, Kari Eränen, Johan Wärnå, Dmitry Yu. Murzin, Tapio Salmi	Decomposition of CO2 Gas in CaCl2-CaO and LiCl-Li2O Molten Salts Separations and Purification	ECS Transactions 50:11 (2013) 443-450
2013	Sebastian Chong, William Hawker, James Vaughan	Methyl chloride synthesis over Al2O3 catalyst coated microstructured reactor – thermodynamics, kinetics and mass transfer	Chemical Engineering Science (2013)
2013	Szenay Brian	Selective reductive leaching of oxidised cobalt containing residue	Minerals Engineering (2013)
2013	T Tsuchiya, N Yasuda, S Sasaki, N Okinaka, T Akiyama	Modeling Potential Chemical Environments: Implications for Astrobiology	Thesis, University of South Florida
2013	T. R. Muth, Y. Yamamoto, D. A. Frederick, C. I. Contescu, W. Chen, Y. C. Lim, W. H. Peter, Z. Feng	Combustion synthesis of TiFe-based hydrogen storage alloy from titanium oxide and iron	International Journal of Hydrogen Energy (2013)
2013	TEODOR VELEA, VASILE PREDICA, SANDICA LILIANA GHERGHE, DRAGOS TALOI, LUMINITA MARA, ADRIANA ISPAS, ELENA RUXANDRA CHIURTU	Causal Factors of Weld Porosity in Gas Tungsten Arc Welding of Powder-Metallurgy-Produced Titanium Alloys	JOM (2013)
2013	V.V. Alekseyev, E.A. Orlova, F.A. Kozlov, E.V. Varseyev	Oxidation of Low Grade Complex Concentrate in Aqueous Medium	Revista de Chimie 64:10 (2013) 1083-1088
2013	van Swol Frank B.	Evolution of two-layer oxide scale on the steel surface in a lead circuit during NPP operation	International Conference on Fast Reactors and Related Fuel Cycles: Safe Technologies and Sustainable Scenarios; Paris (France); 4-7 Mar 2013
2013	Van Tri Luong, Dong Jun Kang, Jeon Woong An, Duy Anh Dao, Myong Jun Kim, Tam Tran	Predictive Modeling of Reactive Wetting and Metal Joining	Sandia Report SAND2013-8278
2013	VT Luong, DJ Kang, JW An, MJ Kim, T Tran	Iron sulphate roasting for extraction of lithium from lepidolite	Hydrometallurgy (2013) in press
2013	WeiNa Lia, Rachid Zaffoua, Christopher C Sholvina, Mike L. Perrya and Ying Shea	Factors affecting the extraction of lithium from lepidolite	Hydrometallurgy (2013)
2013	Yotamu Stephen Rainford Hara	Vanadium Redox-Flow-Battery Electrolyte Preparation with Reducing Agents	ECS Transactions 53:7 (2013) 93-99
2013	Yuhua Duan, Heriberto Pfeiffer, Bingyun Li, Issis C. Romero-Ibarra, Dan Sorescu, David Richard Luebke and J W Halley	Study of Reaction Mechanisms for Copper-Cobalt-Iron Sulfide Concentrates in the Presence of Lime and Carbon	JOM 65:11 (2013) 1597-1607
2013	A. Singh, F. Al-Raqom, J. Klausner, J. Petrasch	CO2 capture properties of lithium silicates with different ratios of Li2O/SiO2 : an ab initio thermodynamic and experimental approach	Physical Chemistry Chemical Physics (2013

2012	A.D. Bas, E.Y. Yazici, H. Deveci	Production of hydrogen via an Iron/Iron oxide looping cycle: Thermodynamic modeling and experimental validation	International Journal of Hydrogen Energy (2012)
2012	A.D. Pienaar , J.B. Wagener, P.L. Crouse	Recovery of silver from X-ray film processing effluents by hydrogen peroxide treatment	Hydrometallurgy 121-124 (2012) 22-27
2012	Ariane Erickson, C. Hank Rawlins	Niobium And Tantalum Separation By Gas-Phase Fluorination	International Journal of Mineral Processing 114-117 (2012)7-10
2012	Benedikt Nowak, Sandra Frías Rocha, Philipp Aschenbrenner, Helmut Rechberger, Franz Winter	An Investigation into Solid-State Expansion of Ceramic Materials	Processing and Properties of Advanced Ceramics and Composites IV, Volume 234
2012	BH Park, IK Choi, JM Hur	Heavy metal removal from MSW fly ash by means of chlorination and thermal treatment: Influence of the chloride type	Chemical Engineering Journal 179: January (2012) 178-185
2012	C. Jiménez-Velasco, F. Nava-Alonso, A. Uribe-Salas CINVESTAV-IPN Unidad Saltillo	Study on the Reduction of Rare Earth Oxides by Lithium Metal in a Molten LiCl Salt for a Pyrochemical Processing of Spent Fuels	Journal of Chemical Engineering of Japan 45:11 (2012) 888-892
2012	C.-J. Chung, Sang-Chul Lee, James R. Groves, Edwin N. Brower, Robert Sinclair, and Bruce M. Clemens	Medición de cianuro libre por volumetría en presencia de especies cobre-cianuro. Determinación del punto final visual y potenciométrico	XXI Congreso Internacional de Metalurgia Extractiva "Inovación y Retos en la Metalurgia Extractiva" En Honor a: Carlos Lara Valenzuela 16, 17 y 18 de Mayo de 2012
2012	Choi, S.-H., Jung, W.-S., Park, J.-H.	Interfacial Alloy Hydride Destabilization in Mg/Pd Thin Films	Physical Review Letters 108 (2012)
2012	Collin Blaise	Electrical effect of titanium diffusion on amorphous indium gallium zinc oxide	Applied Physics Letters 101:21 (2012)
2012	D.S. van Vuuren	AGR-1 Safety Test Predictions Using the PARFUME code	INL/EXT-12-26014 (May 2012)
2012	D'Aloya, A., Nikoloski, A.N.	Fundamental Reactor Design Considerations for Reducing TiCl4 Metallothermically to Produce Ti Powder	Key Engineering Materials, 520, 101-110
2012	Duan, Yuhua ; Luebke, David ; Pennline, Henry	The passivation of iron in ammoniacal solutions containing copper (II) ions	Hydrometallurgy 111-112:1 (2012) 58-64
2012	Duan, Yuhua ; Zhang, Bo ; Sorescu, Dan C. ; Johnson, Karl ; Majzoub, Eric H ; Luebke, David R.	Efficient Theoretical Screening of Solid Sorbents for CO2 Capture Applications	International Journal of Clean Coal and Energy 1:1 (2012)
2012	Evgeniy Selivanov and Roza Gulyaeva	Density functional theory studies on theelectronic, structural, phonon dynamicaland thermo-stability properties of bicarbonates MHCO3, M D Li, Na, K	JOURNAL OF PHYSICS: CONDENSED MATTER 24:32 (2012)
2012	FD Doty, DL McCree, GN Doty, LL Holte, JM Doty, and PD Ellis	Crystallization of Iron-Containing Oxide-Sulphide Melts	Crystallization - Science and Technology, Edited by Marcello Rubens Barsi Andreeta, ISBN 978-953-51-0757-6
2012	Grobety, Bernard H. ; Botter, Cedric ; Meier, Mario	New Paradigms for Standard Liquid Fuels from CO2, H2O, CH4, and Off-peak Energy	Spring National ACS Meeting, San Diego, 2012
2012	Hannu Suopajärvi, Timo Fabritius	Volcanic sulfate aerosols	American Geophysical Union Chapman Conference (Selfoss, Iceland, 10 - 15 June 2012)
2012	Hiskey JB	Effects of Biomass Use in Integrated Steel Plant – Gate-to-gate Life Cycle Inventory Method	ISIJ International 52:5 (2012) 779-787
2012	Hong Youl Ryu, Young Soo An, Bo Yoon Jang, Jin Seok Lee, Hayk H. Nersisyan, Moon Hee Han, Jae-Soo Noh, Jong Hyeon Lee	Mechanism and Thermodynamics of Floating Slimes Formation	TT Chen Honorary Symposium on Hydrometallurgy 2012
2012	J.S. Gama, J.B. Wagener, P.L. Crouse	Formation of high purity Si nanofiber from metallurgical grade Si by molten salt electrorefining	Materials Chemistry and Physics 137:1 (2012) 160-168
2012	Jan de Bakker, Joshua LaMarre, John Peacey and Boyd Davis	A thermogravimetric study of the reactions of tungsten disilicide with anhydrous hydrogen fluoride and fluorine	Journal of Fluorine Chemistry vol. 139, July 2012, Pages 12–15
2012	Janis Grabis , Rein Munter, Yuri Blagoveshchenskiy, Valeri Gorkunov, Leonid Yamshchikov	The Phase Stabilities of Magnesium Hydroxychlorides	Metallurgical and Materials Transactions B (2012)
2012	Jeon, M.K. , Shin, J.M., Park, J.J., Park, G.I.	Plasmochemical process for the production of niobium and tantalum nanopowders	Proceedings of the Estonian Academy of Sciences 61:2 (2012) 137–145

2012	Johan Sandberg, Mikael Larsson, Chuan Wang, Jan Dahl, Joakim Lundgren	Simulation of Cs behavior during the high temperature voloxidation process using the HSC chemistry code	Journal of Nuclear Materials 430:1-3 (2012) 37-43
2012	M. Vincent Girard	A new optimal solution space based method for increased resolution in energy system optimisation	Applied energy 92:April (2012) 583-592
2012	Marc Rubat du Merac, Ivar E. Reimanis, Charlene Smith, Hans-Joachim Kleebe, Mathis M. Müller	Study of the oxidative regeneration properties of sulphided metal oxides	Diplome de doctorat, l'Universite Claude Bernard Lyon, 2012
2012	Mari K. Næss, David J. Young, Jianqiang Zhang, Jan Erik Olsen and Gabriella Tranell	Effect of Impurities and LiF Additive in Hot-Pressed Transparent Magnesium Aluminate Spinel	International Journal of Applied Ceramic Technology (2012)
2012	Martin Roeb, Martina Neises , Nathalie Monnerie , Friedemann Call , Heike Simon , Christian Sattler , Martin Schmücker and Robert Pitz-Paal	Active Oxidation of Liquid Silicon: Experimental Investigation of Kinetics	Oxidation of metals (2012)
2012	Matthias Kaindl, Stefan Luidold and Alexander Poscher	Materials-Related Aspects of Thermochemical Water and Carbon Dioxide Splitting: A Review	Materials 5:11 (2012) 2015-2054
2012	Michael Zelenski, Yuri Taran	Recycling of Rare Earths from Nickel-Metal Hydride Batteries with Special Reference to the Acid Recovery	BHM Berg- und Hüttenmännische Monatshefte 157:1 (2012)20-26
2012	Nebeker Neil (Asarco), Hiskey JB (University of Arizona)	Volcanic emissions of molecular chlorine	Geochimica et Cosmochimica Acta 87 (2012) 210-226
2012	Nicholas S. Siefert, Dushyant Shekhawat, Mark W. Smith, Daniel J. Haynes, Richard M. Bergen, Edward H. Robey, Randall S. Gemmen, David A. Berry	Recovery of Rhenium from Copper Leach Solution by Ion Exchange	Hydrometallurgy 125-126 (2012) 64-68
2012	Nicholas Siefert, Dushyant Shekhawat, Shawn Litster and David Berry	Operation of a solid oxide fuel cell on a reformed FAME mixture	Biomass and Bioenergy (2012)
2012	O.J. Lu-Steffes, R. Sakidja, J. Bero, J.H. Perepezko	Molten catalytic coal gasification with in situ carbon and sulphur capture	Energy Environ. Sci., 2012,5, 8660-8672
2012	P Horovþák, J Terpák	Multicomponent Coating for Enhanced Oxidation Resistance of Tungsten	Surface and Coatings Technology 207 (2012) 614-619
2012	Park, Si Jung / Choi, Yoo Youl / Kim, Jun Gyu / Choi, Doo Jin	The application of service oriented architecture in calculation of thermochemical properties in web service form	Acta Montanistica Slovaca 17:2 (2012) 92-102
2012	Patrick Littlejohn, James Vaughan	Growth and mechanism of one-dimensional Al 2 O 3 nanostructures grown by chemical vapor deposition from an Al powder source	Journal of Crystal Growth, 361, p.189-194, Dec 2012
2012	Reginald E. Mitchell	Selectivity of commercial and novel mixed functionality cation exchange resins in mildly acidic sulfate and mixed sulfate-chloride solution	Hydrometallurgy 121-124 (2012) 90-99
2012	Ruxandra PĂUNESCU, Ioana GHERGHESCU	Coal and Biomass Utilization in Solid Oxide Fuel Cells Conversion in SOFC Systems	ECS Transactions 41:12 (2012) 3-28
2012	S.H. Cho, S.B. Park, J.H. Lee, J.M. Hur, H.S. Lee	Microstructural investigation of a complex cobalt based thermal barrier coating tested by quick thermal shock	U.P.B. Sci. Bull., Series B, Vol. 74, Iss. 1, 2012
2012	Sato, Sinichi / Yamaguchi, Katsunori	Hot corrosion behavior of ZrO2–MgO coatings in LiCl–Li2O molten salt	Materials Chemistry and Physics 131:3 (2012) 743-751

2012	Seitaro Kobayashi, Toshiyuki Nohira, Katsutoshi Kobayashi, Kouji Yasuda, Rika Hagiwara, Tetsuo Oishi and Hirokazu Konishi	Formation of CaSO4 in the CaO-FeOx-Cu2O Slags	High Temperature Materials and Processes 30:4 (2012) 447-449
2012	Singfoong Cheah, Katherine R. Gaston, Yves O. Parent, Mark W. Jarvis, Todd B. Vinzant, Kristin M. Smith, Nicholas E. Thornburg, Mark R. Nimlos, Kimberly A. Magrini-Bair	Electrochemical Formation of Dy-Ni Alloys in Molten LiF-CaF2-DyF3	Journal of the Electrochemical Society 159:12 (2012) E193-E197
2012	Sippola Hannu	Nickel cerium olivine catalyst for catalytic gasification of biomass	Applied Catalysis B: Environmental (2012)
2012	Soo-Haeng Cho, Jin-Mok Hur, Jong-Hyeon Lee & Han-Soo Lee	Thermodynamic modelling of concentrated sulfuric acid solutions	Calphad 38 (2012) 168-176
2012	T Havlik, F Kukurugya, T Vindt, A Miskufova	Corrosion behavior of ceramic structural materials in an electrolytic reduction process	Journal of Nuclear Science and Technology 49:8 (2912) 836-844
2012	Van Nieuwenhove, R.	CALCIUM BEHAVIOR IN EAF STEELMAKING DUST ACIDIC LEACHING	Kammel´s Quo Vadis Hydrometallurgy 6, 04. – 07. June 2012, Herlany, Slovakia
2012	William Wang, Shwetha Ramkumar1, Danny Wong, Liang-Shih Fan	Development and testing of instruments for Generation IV fuels and materials research at the Halden Reactor Project	IAEA Technical meeting on In-pile testing and instrumentation of Generation IV Fuels and Materials, Halden, 2012-08-21--08-24
2012	Yoo Youl Choi , Si Jung Park , Younghee Kim and Doo Jin Choi	Simulations and process analysis of the carbonation–calcination reaction process with intermediate hydration	Fuel 92:1 (2012) 94-106
2012	Yoo Youl Choi , Si Jung Park and Doo Jin Choi	Silica nanowires synthesized from gas by-product of SiC synthesis from alkoxide precursors	CrystEngComm 2012,14, 5552-5557
2012	Yulia V. Meteleva-Fischer, Yongxiang Yang, Rob Boom, Bert Kraaijveld, Henk Kuntzel	Gas-phase synthesis and growth mechanism of SiC/SiO2 core–shell nanowires	CrystEngComm, 2012,14, 1737-1743
2012	Charikinya Edson	Slag treatment followed by acid leaching as a route to solar-grade silicon	JOM 64:8 (2012) 957-967
2011	Eun-young Kim, Min-seuk Kim, Jae-chun Lee, B.D. Pandey	A modelling framework to determine the value proposition of microwave treatment of mineral ores	Thesis, University of Stellenbosch. Faculty of Engineering. Dept. of Process Engineering
2011	FC Pignatale, ST Maddison, V Taquet, G Brooks	Selective recovery of gold from waste mobile phone PCBs by hydrometallurgical process	Journal of Hazardous Materials, Volume 198, 30 December 2011, Pages 206-215
2011	G. De Micco, A. E. Bohé and H. Y. Sohn	The effect of the regular solution model in the condensation of protoplanetary dust	
2011	Glasser Leslie	Intrinsic Kinetics of Chlorination of WO 3 Particles With Cl 2 Gas Between 973 K and 1223 K (700° C and 950° C)	Metallurgical and Materials Transactions 42B : 2 (2011) 316-323
2011	H.H. Khoo, J. Bu, R.L. Wong, S.Y. Kuan and P.N. Sharratt (Institute of Chemical and Engineering Sciences, Indonesia)	Thermodynamics of Condensed Phases: Formula Unit Volume, Vm, and the Determination of the Number of Formula Units, Z, in a Crystallographic Unit Cell	Journal of chemical education (2011)
2011	Honeyands, T., Jelenich, L.	Carbon capture and utilization: Preliminary life cycle CO2, energy, and cost results of potential mineral carbonation	Energy Procedia volume 4, 2011, Pages 2494-2501 (10th International Conference on Greenhouse Gas Control Technologies)
2011	Hui Li, Hayk H. Nersisyan, Kyung-Tae Park, Sung-Bin Park, Jeong-Guk Kim, Jeong-Min Lee and Jong-Hyeon Lee	Calculating the value of iron ores in ironmaking and steelmaking	IRON ORE 2011, Proceedings pp. 431-436
2011	Irina Vishnevetsky, Alexander Berman, Michael Epstein	Nuclear-grade zirconium prepared by combining combustion synthesis with molten-salt electrorefining technique	Journal of Nuclear Materials (2011)
2011	Izumi Muto, Jun Shinozaki, Tomohiko Omura, Mitsuhiro Numata, and Nobuyoshi Hara	Features of solar thermochemical redox cycles for hydrogen production from water as a function of reactants' main characteristics	International Journal of Hydrogen Energy, 2011

2011	J. Łabaj	Microelectrochemical Investigation of Hydrogen Absorption and Dissolution Behavior of MnS Inclusions in Carbon Steel	ECS Transactions 33:35 (2011) 9-20
2011	Javier Marugán, Juan A. Botas, Mariana Martín, Raúl Molina, Carolina Herradón	ANALYSIS OF POSSIBILITIES FOR REMOVAL OF TIN FROM LIQUID IRON THROUGH EVAPORATION	Acta Metallurgica Slovaca, Vol. 17, 2011, No. 2, p. 116-122
2011	Johan Sandberg	Study of the first step of the Mn2O3/MnO thermochemical cycle for solar hydrogen production	International Journal of Hydrogen Energy (in press)
2011	Judith C. Gomez	Process integration as a tool for energy systems analysis Application to LKAB in Kiruna	Thesis, Luleå University of Technology
2011	Jun Shinozaki, Izumi Muto, Tomohiko Omura, Mitsuhiro Numata and Nobuyoshi Hara	High-Temperature Phase Change Materials (PCM) Candidates for Thermal Energy Storage (TES) Applications	NREL/TP-5500-51446
2011	Kyle JH (Parker CRC), Breuer PL (CSIRO), Bunney KG (CSIRO), Pleysier R (CSIRO), Maya PM (CSIRO)	Local Dissolution of MnS Inclusion and Microstructural Distribution of Absorbed Hydrogen in Carbon Steel	J. Electrochem. Soc., Volume 158, Issue 9, pp. C302-C309 (2011)
2011	Lei Zhao, JiCai Feng, XiaoYu Tian, LiXia Zhang and Peng He	Review of trace toxic elements (Pb, Cd, Hg, As, Sb, Bi, Se, Te) and their deportment in gold processing. Part 1: Mineralogy, aqueous chemistry and toxicity	Hydrometallurgy 107:3-4 (2011) 91-100
2011	Liyu Li, Soowhan Kim, Wei Wang, M. Vijayakumar, Zimin Nie, Baowei Chen, Jianlu Zhang, Guanguang Xia, Jianzhi Hu, Gordon Graff, Jun Liu, Zhenguo Yang	Brazing of micrograin-filled quartz fiber reinforced silica composites and Invar using Ag-21Cu-4.5Ti alloy	Chinese Science Bulletin 56:26 /2011) 2869-2873
2011	M.A. Garcia-Lobato, Arturo I. Martinez, M. Castro-Roman, C. Falcony, L. Escobar-Alarcon	A Stable Vanadium Redox-Flow Battery with High Energy Density for Large-Scale Energy Storage	Advanced Energy Materials (2011)
2011	Mark LaBarbera, Mark Fedkin, and Serguei Lvov	Correlation between structural and magnetic properties of sprayed iron oxide thin films	Physica B: Condensed Matter, In Press (2011)
2011	Niina Koivikko, Tiina Laitinen, Satu Ojala, Satu Pitkäaho, Alexei Kucherov, Riitta L. Keiski	Liquid Tin-Lead Anode Solid Oxide Fuel Cell Fueled by Coal Operation on Alternative Fuels	ECS Transactions 35:1 (2011) 2725-2734
2011	O. Thomann, M. Pihlatie, J. A. Schuler, O. Himanen and J. Kiviaho	Formaldehyde production from methanol and methyl mercaptan over titania and vanadia based catalysts	Applied Catalysis B: Environmental (2011)
2011	Orac, D., Havlik, T., Kukurugya, F., Miskufova, A., Takacova, Z.	Method for Measuring Chromium Evaporation from SOFC Balance-of-Plant Components	Electrochemical Society Meeting, May 1-6, 2011, Montreal, QC, Canada
2011	Pertti Lamberg	Leaching of tin and copper from used print circuit boards in hydrochloric acid	Metall 65:5 (2011) 211-217
2011	Pickles C.A.	Beneficiation technologies simulation with the HSC Chemistry software using data on the mineral liberation extent	Cvetnye metally 10 (2011)
2011	R. Mathieu, G. Libourel, E. Deloule, L. Tissandier, C. Rapin, R. Podor	Thermodynamic Modeling of Zinc Speciation in Electric Arc Furnace Dust	High Temperature Materials and Processes 30:1-2 (2011) 3-15
2011	Robin Harvey, Robert Hannah, James Vaughan	Na2O solubility in CaO–MgO–SiO2 melts	Geochimica et Cosmochimica Acta 75:2 (2011) 608-628
2011	Scheele, R.D., McNamara, B.K., Casella, A.M.	Selective precipitation of mixed nickel–cobalt hydroxide	Hydrometallurgy 105:3-4 (2011) 222-228
2011	Sou Hosokai, Yoshiaki Kasiv	Use of NF3 as the fluorinating and oxidizing agent for a fluoride volatility based separations process for used nuclear fuel	Transactions of the American Nuclear Society 105 (2011) 211-212
2011	Taufiq Hidayat, Peter C. Hayes and Evgueni Jak	Ironmaking with Ammonia at Low Temperature	Environ. Sci. Technol., 2011, 45 (2), pp 821–826
2011	Y. Sayad-Yaghoubi	Experimental Study of Ferrous Calcium Silicate Slags: Phase Equilibria at Between 10- 5 atm and 10- 7 atm	Metallurgical and Materials Transactions B (2011)

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2011	Yuhua Duan and K. Parlinski	Density functional theory study of the structural, electronic, lattice dynamical, and thermodynamic properties of Li4SiO4 and its capability for CO2 capture	Phys. Rev. B 84, 104113 (2011)
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