

List of publications of Mettop, for receiving one or more specific papers please contact us at cu@mettop.com

	Author(s)	Titel of Paper	Name of Journal/Conference	Vol.	Book Nr.	Date	Location	Pages	Year
1	Lackner, A., A. Filzwieser, P. Paschen and W. Köck	On the Reduction of Tungsten Blue Oxide in a Stream of Hydrogen.	International Journal of Refractory Metals and Hard Materials	14			Great Britain	383 - 391	1996
2	Filzwieser, A., A. Lackner, K. Hein and K. Pachler	Process Simulation of Copper Refining Electrolysis.	Proc. of the 4th Int. Colloquium on Process Simulation				Helsinki University of Technology, Espoo, Finland	431 - 446	1997
3	Filzwieser, A., A. Lackner, K. Hein and K. Pachler	Simulation of the Behaviour of Anode Slime During Copper Electrolysis.	Proc. of the Int. Conference „Metallurgy East-West '97“				High Tatras, Slovakia	129 - 134	1997
4	Filzwieser, A., A. Lackner and K. Hein	Möglichkeiten zur Strömungsberechnung in Elektrolysezellen unter besonderer Berücksichtigung des Stofftransportes.	GDMB, Paper		81			161 - 172	1997
5	Hein, K., G. Hanko, A. Filzwieser and M. Stelter	Untersuchungen zur Hydrodynamik bei der Kupfergewinnungselektrolyse.	BHM	144	1			6 - 13	1999
6	Filzwieser, A., K. Hein, P. Paschen and M. Köykkä	Einsatz bipolarer Elektroden für die Hochstromelektrolyse bei der Kupfergewinnung.	BHM	144	1			13 - 18	1999
7	Hanko, G., K. Hein and A. Filzwieser	Visualisierung und Quantifizierung der Strömungsverhältnisse in einer Kupfergewinnungselektrolyse.	Erzmetall	52	4	July/Aug	Germany	226 - 235	1999
8	Filzwieser, A., K. Hein, G. Hanko and H. Grogger	Application of Two Phase Hydrodynamic Modeling to an Electrowinning Cell.	Proceedings Copper Cobre	3		Oct 10 - 13	Phoenix, Arizona, USA	695 - 709	1999
9	Hein, K. and A. Filzwieser	Elektrolytische Kupfergewinnung mit bipolaren Elektroden und hohen Stromdichten.	Erzmetall	53	4	July/Aug	Germany	217 - 221	2000
10	Filzwieser, I.	Weltgrößte Kupfererzeuger setzen auf Leobner Know-How.	Metall	56	11			705	2002
11	Filzwieser, A., K. Hein and G. Mori	Current Density Limitation and Diffusion Boundary Layer Calculation Using Computational Fluid Dynamics.	JOM	54	4	April		28 - 31	2002
12	Filzwieser, A., O. Zach, S. Wallner and H. Kleicker	CFD-Modellierung in der Feuerfestindustrie.	Keramische Zeitschrift		54	August		650 - 655	2002
13	Filzwieser, I.	Copper Research Center. Annual Report (2002)	Triple M		2		Austria	21	2003
14	Filzwieser, A., K. Gamweger, O. Zach and G. Lukesch	Computational Fluid Dynamics – Modelling in the Aluminium and Copper Industry.	RHI Bulletin		1		Austria	5 - 8	2003
15	Filzwieser, A., T. Prietl, P-L. Nystedt and P. Olsson	Implementation of the RHI COP KIN System in Peirce-Smith-Converters.	RHI Bulletin		1		Austria	13 - 15	2003
16	Hochenhöfer, M., H. Antrekowitsch, M. Juhart and A. Filzwieser	The Effect of a Gas Purging System on the Desulphurization of Ferro-Nickel in an Electric Arc Furnace at the Treibacher Industry AG.	RHI Bulletin		1		Austria	22 - 24	2003
17	Krobath, M., A. Filzwieser, K. Gamweger and O. Zach	Einsatz von CFD zur Simulation des Spülvorganges in der Nichteisenmetallurgie.	Gesteinshüttenkolloquium				Institut für Gesteinshüttenkunde, MUL	59 - 73	2003
18	Bacher, I., H. Antrekowitsch, O. Zach and A. Filzwieser	CFD – Modelling of the Electrolyte Flow in a copper Electrolysis Cell	Proc. of microCAD			March 6 – 7	University of Miskolc, Hungary	1 - 8	2003
19	Filzwieser, I. and P. Paschen	Current Density Distribution in a Cu Refining Electrolysis due to Geometrical Conditions.	Proceedings EMC	1		Sep 16 - 19	Hannover, Germany	83 - 96	2003
20	Filzwieser, A., J. Kleicker and K. Caulfield	MET KIN® - A Gas Purging System for Metallurgical Smelting Furnaces.	Proceedings EMC	1		Sep 16 - 19	Hannover, Germany	69 - 82	2003
21	Filzwieser, I. and P. Paschen	Cathodic Current Density Distribution in a Cu Refining Electrolysis.	Proceedings Copper Cobre	5	1	Nov 30 - Dec 3	Santiago de Chile, Chile	363 - 376	2003
22	Filzwieser, A., S. Wallner, K. Caulfield and A.J. Rigby	The COP KIN® System Part II – Performance and Benefits - a World Wide Overview.	Proceedings Copper Cobre	4	1	Nov 30 - Dec 3	Santiago de Chile, Chile	415 - 428	2003
23	Filzwieser, A., J. Kleicker, K. Caulfield and S. Wallner:	The COP KIN® System Part I – Fundamentals and Mathematical Modeling.	Proceedings Copper Cobre	4	1	Nov 30 - Dec 3	Santiago de Chile, Chile	429 - 441	2003
24	Wallner, S., A. Filzwieser and J. Kleicker:	Some Aspects for the Use of Water-Cooled Furnace Walls – Water the Best Refractory?	Proceedings Copper Cobre	4	1	Nov 30 - Dec 3	Santiago de Chile, Chile	667 - 679	2003

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	Author(s)	Titel of Paper	Name of Journal/Conference	Vol.	Book Nr.	Date	Location	Pages	Year
25	Hochenhofner, M., H. Antrekowitsch, J. Leitner, E. Pankratz and A. Filzwieser	Optimierung der Entschwefelung bei der Herstellung von Ferronickel aus Sekundärrohstoffen.	Metall	58	4		Austria	196 - 202	2004
26	Priehl, T., A. Triessnig and A. Filzwieser	Determining the Thermal Parameters of Complex Furnace Linings.	RHI Bulletin		2		Austria	26 - 30	2004
27	Priehl, T., H. Antrekowitsch, A. Filzwieser and K. Gamweger	Spülgasbehandlung in der Kupfer- und Aluminium-Sekundärmetallurgie.	Proc. of DepoTech			Nov 24 – 26	Leoben, Austria	721 - 724	2004
28	Gamweger, K. and A. Filzwieser	Al Kin® – A New Generation of Fluxing and Purging Technology for a Cleaner Aluminium.	Advances in Refractories for the Metallurgical Industries IV. Proc. 4th Int. Symp.	4		Aug 22 – 25	Hamilton, Ontario, Canada	389 - 396	2004
29	Filzwieser, I., O. Zach and A. Filzwieser	CFD Modelling of a Near Technical Scale Cell for Copper Refining Electrolysis.	BHM	149	1		Austria	5 - 8	2004
30	Gamweger, K. and A. Filzwieser	AL KIN® - A Gas Purging System for Furnaces in the Aluminium Industry.	BHM	149	1		Austria	15 - 18	2004
31	Antrekowitsch, H., T. Priehl and A. Filzwieser:	Spülgastechnik in der Kupferindustrie	BHM	149	5		Austria	186 - 191	2004
32	Filzwieser, I., H. Antrekowitsch and A. Filzwieser:	Potential Measurements in a High Current Winning Electrolysis.	Erzmetall	57	2	March/April	Germany	63 - 68	2004
33	Antrekowitsch, H., Ch. Wenzl, I. Filzwieser and J. Pesl	Pyrometallurgical Refining of Copper in an Anode Furnace.	Proc. of 134th TMS Annual Meeting of The Minerals, Metals & Materials Society			Feb 13-17	San Francisco, USA	191 - 204	2005
34	Priehl, T., A. Filzwieser and S. Wallner	Productivity Increase in a Peirce-Smith Converter using the COP KIN and OPC System.	Proc. of 134th Annual Meeting of The Minerals, Metals & Materials Society			Feb 13-17	San Francisco, USA	177 - 190	2005
35	Mubarak, Z., I. Filzwieser and P. Paschen	Analysis of Nodulated Cathodes From Atlantic Copper and New Boliden.	Erzmetall	58	4	July/August	Germany	203 - 209	2005
36	Mubarak, Z., I. Filzwieser and P. Paschen	Dendritic Cathode Growth during Copper Electrorefining in the Presence of Solid Particles.	Erzmetall	58	6	Nov/Dec	Germany	113 - 119	2005
37	Mubarak, Z., I. Filzwieser and P. Paschen:	Electrochemical and Metallographic Characterization of Inhibitor Variation in Copper Refining Electrolysis.	Proceedings EMC	1		Sept 18 - 21	Dresden, Germany	109 - 122	2005
38	Kyllo, A. K., N. B. Gray, D. H. Montgomerie, and A. Filzwieser	Composite Furnace Module Cooling Systems in the Electric Slag Cleaning Furnace.	Proceedings EMC	3		Sept 18 - 21	Dresden, Germany	1027 - 1033	2005
39	Priehl, T., H. Antrekowitsch, A. Triessnig, H. Studnicka, and A. Filzwieser:	The Evaluation of Refractory Linings Thermo Mechanical Properties.	Proceedings EMC	3		Sept 18 - 21	Dresden, Germany	1099 - 1112	2005
40	Zach, O., K. Gamweger, G. Lukesch, and A. Filzwieser	CFD-Modelling in the Non Ferrous Metals Industry.	Proceedings EMC	3		Sept 18 - 21	Dresden, Germany	1317 - 1324	2005
41	Ch. Wenzl, G. Graller-Kettler, J. Pesl	Liquid Slag Reduction	Proceedings EMC	1		Sept 18 - 21	Dresden, Germany	75 - 89	2005
42	Verscheure, K., K. Androw, A. Filzwieser, B. Blanpain and P. Wollants:	Furnace Cooling Technology in Pyrometallurgical Processes.	Proc. of Sohn International Symposium	4		August 27 - 31	San Diego, California, USA	139 - 154	2006
43	Filzwieser, I., A. Filzwieser, J. Pesl, A. Anzinger and S. Wallner:	Tankhouse Optimization by METTOP GmbH	Proc. of Sohn International Symposium			August 27 - 31	San Diego, California, USA	563	2006
44	Wenzl, Ch., A. Filzwieser and H. Antrekowitsch	Review of Anode Casting - Part I: Chemical Anode Quality.	Erzmetall	60	2	March/April	Germany	77 - 83	2007
45	Wenzl, Ch., A. Filzwieser and H. Antrekowitsch	Review of Anode Casting - Part II: Physical Anode Quality.	Erzmetall	60	2	March/April	Germany	83 - 88	2007
46	Filzwieser, I., A. Filzwieser, J. Pesl, A. Anzinger and R. Stibich:	Tankhouse Optimization by METTOP GmbH	Proceedings EMC	1		June 11 – 14	Düsseldorf, Germany	3 - 12	2007
47	Fruhvirth, R.K., A. Filzwieser and J. Pesl:	Computational Intelligence – Neural Computation in a Copper Refinery	Proceedings EMC	1		June 11 – 14	Düsseldorf, Germany	13 - 29	2007
48	Wenzl, Ch., I. Filzwieser and A. Filzwieser:	Anode Casting - Physical Anode Quality.	Proceedings EMC	1		June 11 – 14	Düsseldorf, Germany	209 - 225	2007
49	Kyllo, A.K., A. Filzwieser and N.B.Gray	Composite Furnace Models – Background and Update	Proceedings EMC	2		June 11 – 14	Düsseldorf, Germany	915 - 926	2007

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50	St. Konetschnik, D. Offenthaler, J. Antrekowitsch, J. Sitter	Recovery of PGMs from spent catalyst material with a new HCl-H ₂ SO ₄ leaching process	Proceedings EMC	2		June 11 – 14	Düsseldorf, Germany	679 - 690	2007
51	Filzwieser, A. and I. Filzwieser:	METTOP Process Control and Regulation System.	Proceedings EMC	4		June 11 – 14	Düsseldorf, Germany	1707 - 1719	2007
52	Wenzl, Ch., H. Antrekowitsch, I. Filzwieser and J. Pesl:	Anode Casting - Chemical Anode Quality.	Proceedings Copper Cobre	5		August 25 - 30	Toronto, Ontario, Canada	91 - 110	2007
53	Filzwieser, A. and I. Filzwieser:	METTOP Process Control and Regulation System.	Proceedings Copper Cobre	3	1	August 25 - 30	Toronto, Ontario, Canada	549 - 560	2007
54	Filzwieser, A., I. Filzwieser and R. Stibich	Tankhouse Optimization by METTOP GmbH – METTOP-BRX-Technology	Erzmetall	61	2	March/April	Germany	99 - 103	2008
55	St. Konetschnik, H. Antrekowitsch, G. Schneeberger	Recovery of Copper and Precious Metals from Shredder Residues	Proceedings EMC	2		June 28- July 1	Innsbruck, Austria	661-672	2009
56	A. Filzwieser, J. Pesl, A. Anzinger, Ch. Kapfinger	Optimisation of Tankhouse Operation at Montanwerker Brixlegg	Proceedings EMC	2		June 28 - July 1	Innsbruck, Austria	715 - 726	2009
57	Wenzl Ch., I. Filzwieser, H. Antrekowitsch, J. Pesl	Investigations on Anode Casting Wheels to Optimise Anode Quality.	Proceedings EMC	2		June 28 - July 1	Innsbruck, Austria	798 - 805	2009
58	St. Konetschnik, H. Paulitsch, H. Antrekowitsch,	Recovery of Valuable Metals from Converter Slags by Reduction with Iron	Proceedings Copper Cobre	2		June 6 - 10	Hamburg, Germany	863 - 877	2010
59	Wenzl Ch., A. Filzwieser, I. Filzwieser, E. Raaber	Ionic Liquids – The New Way in Cooling Technology.	Proceedings Copper Cobre	3		June 6 - 10	Hamburg, Germany	1233 - 1246	2010
60	Wenzl Ch., L. Koncik, St. Ruhs, A. Filzwieser:	3D-Refractory Engineering Using the Example of a MAERZ Tilting Furnace.	Proceedings Copper Cobre	3		June 6 - 10	Hamburg, Germany	1247 - 1258	2010
61	Wenzl Ch., I. Filzwieser, A. Filzwieser, A. Anzinger	Newest Developments using the METTOP-BRX-Technology.	Proceedings Copper Cobre	4		June 6 - 10	Hamburg, Germany	1713 - 1722	2010
62	Filzwieser, I., A. Filzwieser and R. Ofner:	Geometric Surface Inspection for Stainless Steel Cathode Plates and Copper Cathodes,	BHM	155	1		Austria	7 - 11	2010
63	Lux T., Ch. Wenzl, J. Köhlhofer	MAERZ Direct-to-Wire Technology – Optimized FRHC Copper Production.	Interwire/ Wire Journal			May 2 - 5	Atlanta, USA		2011
64	Koncik L., St. Konetschnik, Ch. Wenzl, St. Ruhs	Gas Purging Systems with Internal or External Piping.	Proceedings EMC	2		June 26 - 29	Düsseldorf, Germany	613 - 624	2011
65	Konetschnik St., Ch. Wenzl, L. Koncik, J. Pesl, H.	Process Modelling in Copper Secondary Metallurgy.	Proceedings EMC	2		June 26 - 29	Düsseldorf, Germany	625 - 638	2011
66	Wenzl Ch., A. Filzwieser, E. Raaber	Cooling with Ionic Liquids.	Proceedings EMC	2		June 26 - 29	Düsseldorf, Germany	695 - 708	2011
67	Wenzl Ch., R. Stibich, J. Pesl	High Current Density Tankhouse and METTOP-BRX-Technology at Montanwerke Brixlegg AG	Erzmetall	64	6	Nov - Dec	Germany	321 - 327	2011
68	Wenzl Ch., A. Filzwieser, E. Raaber	Ionic Liquid Cooling Technology in Metallurgical Furnaces.	Fray Symposium	1		Nov 27-Dec 1	Cancun, Mexico	325-355	2011
69	Konetschnik St., Ch. Wenzl, L. Koncik, A. Filzwieser	Tailor-made Basic Engineering by Thermodynamic Process Modeling in the Secondary Copper Metallurgy.	Fray Symposium	1		Nov 27-Dec 1	Cancun, Mexico	503 - 515	2011
70	Wenzl Ch., A. Filzwieser, St. Konetschnik	METTOP-BRX-Technology – Industrial Application.	TMS 2012 - T.T. Chen Honorary Symposium on Hydrometallurgy, Electrometallurgy and Materials Characterization			March 11-15	Orlando, Florida, USA	63 - 75	2012
71	Hochenhofner M., Antrekowitsch H., Leithner J., Pankratz E., Filzwieser A.	Optimization of sulfur removal in the preparation of ferronickel from secondary raq materials	Metall	58	4		Austria	196 - 202	2004
72	Konetschnik S., Antrekowitsch J., Offenthaler D., Antrekowitsch H.	Thermische Vorbehandlung PGM-haltiger Katalysatoren für die hydrometallurgische Aufarbeitung	BHM	152	2		Austria	68 - 75	2007
73	Wenzl C., Filzwieser I., Mori G., Pesl J.	Investigations on Anode Quality in Copper Electrorefining - Untersuchung zur Optimierung der Anodenqualität in der Kupferraffinationselektrolyse	BHM	153	3		Austria	91 - 96	2008

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74	Konetschnik S., Schnideritsch H., Antrekowitsch H., Brandstätter D.	Aufarbeitung wismuthaltiger Krätzen - Treatment of Bismuth Containing Drosses	BHM	153	3		Austria	115 - 120	2008
75	Antrekowitsch H., Puchner P., Konetschnik S.	Aufbereitung und Metallurgie von metallhaltigen Reststoffen - Beneficiation and Metallurgy of Metal Containing Waste	BHM	153	3		Austria	230 - 234	2008
76	Antrekowitsch H., Schnideritsch H., Konetschnik S.	Metallurgisches Recycling von metallhaltigen Reststoffen und Schrotten - eine verfahrenstechnische und rohstoffpolitische Herausforderung	Recycling und Rohstoffe	2				309 - 325	2009
77	Wenzl C., Antrekowitsch H., Kronberger B., Locher E.	Current activities for increasing the recycling efficiency at the Fernwärme Wien DMA battery recycling plant.	Proceedings of the 12th ICBR			20 - 22 June	Budapest, Hungary		2007
78	Wenzl C., Antrekowitsch H., Antrekowitsch J., Offenthaler D.	Aufarbeitung von verunreinigten Sn-Schrotten und Sn hältigen Reststoffen	Proc. of DepoTech			22. - 24. Nov	Leoben, Austria	391 - 398	2006
79	Gamweger K. and Filzwieser A.	CFD-Modelling In The Aluminium Industry - Mathematical Methods	Aluminium World	3				52	2003
80	Wenzl C., Graller-Kettler G., Pesl J.	Liquid Slag Reduction	Erzmetall	59	1			26 - 32	2006
81	Paulitsch H., Konetschnik S., Pitayataratorn	Metallurgical Treatment of Titanium Containing Mining Residues.	Erzmetall	63	4			197 - 204	2010
82	Offenthaler D., Antrekowitsch J., Konetschnik S.	Recycling of Platinum from spent Catalysts	Proceedings of Sohn International Symposium	5			San Diago, California, USA	451 - 458	2006
83	Potesser M., Holleis B., Antrekowitsch H., Konetschnik S.	New Pyrometallurgical Bullion Lead Refining Process	Proceedings EPD Congress			March 9 - 13	New Orleans, LA; USA	467 - 472	2008
85	Konetschnik S., Filzwieser A., Wenzl C.	State-of-the-Art Recycling of Low Grade Copper Scrap	China National Copper Conferenece, (Proc. auf Chinesisch)			Oct		158 - 165	2010
86	Konetschnik S., Filzwieser A., Wenzl C.	Copper Scrap Recycling – An Overview	China Recycling Conferene (Proc. auf Chinesisch)			Sept			2011
87	Filzwieser A., Filzwieser I., Konetschnik S.	New Technology for Electrorefining of Copper	JOM	64	11	Nov		1290-1295	2012
88	Filzwieser A.	Thermodynamic Simulation of Copper Scrap Refining	IWCC						2013
89	Filzwieser A., Filzwieser I., Konetschnik S.	The safe and efficient way of cooling: ILTEC-Ionic Liquid Cooling Tecnology	INFACON XIII			June 9 - 12	Almaty, Kazakhstan		2013
90	Filzwieser A.	METTOP-BRX-Technology - the latest tecnology in electrorefining of copper	Isa-User-Meeting			Aug	Kristiansand, Norway		2013
91	Konetschnik S., Filzwieser A., Filzwieser I.	Service live increase of TSL lances using Ionic Liquid Cooling Technology	Copper			Dez	Santiago, Chile		2013
92	Filzwieser A., Filzwieser I., Konetschnik S., Anzinger A.	Cost comparison between a conventional ER tankhouse and a high current density ER tankhouse using the METTOP-BRX-Technology	Copper			Dez	Santiago, Chile		2013
93	Filzwieser A., Konetschnik S., Dreyer E.	The Safest Way of Furnace Tapping: Using METTOP's Ionic Liquid Cooling Technology	Furnace Tapping Conference			May	Johannesburg, South Africa		2014
94	Filzwieser A., Filzwieser I., Konetschnik S., Anzinger A.	Economic benefits of operating a copper electro-refining tankhouse at high current density using the Mettop-BRX-Technology	COM			Sep 28 - Oct 1	Vancouver		2014
95	Filzwieser A., Filzwieser I., Konetschnik S., Wallner S., Preiss R.	METTOP's new Ionic Liquid Cooling Technology is the safest way to cool a furnace	COM			Sep 28 - Oct 1	Vancouver		2014
96	Filzwieser A., Filzwieser I., Hanel M., Siegmund A.	Using METTOP's Ionic Liquid Cooling Technology - A Breaktrough Technology	AISTech			May 16 - 19	Pittsburgh, Pennsylvania; USA		2016
97	Hanel M., Filzwieser A., Filzwieser I., Ruhs S.	ILTEC - METTOP's revolutionary cooling solution for the steel industry	EEC Electric Steelmaking Conference			May 25 - 27	Venice, Italy		2016
98	Hanel M., Filzwieser A., Filzwieser I., Ruhs S.	ILTEC - METTOP's revolutionary cooling solution for the steel industry	ECIC European Coke and Ironmaking Congress			Sep 12 - 14	Linz, Austria		2016
99	Hanel M., Filzwieser A., Filzwieser I., Ruhs S.	ILTEC - A revolutionary new and safe cooling solution by METTOP	IMMC			Sep 29 - Okt 01	Istanbul, Turkey		2016
100	Filzwieser I., Filzwieser A., Konetschnik S., Luidold S., Sorger C.,	Thermodynamic investigations for the separation and processing of different metals from Waste Electrical and Electronic Equipment	Copper			Nov 13 - 16	Kobe, Japan		2016

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101	Filzwieser A., Filzwieser I., Wallner S., Siegmund A.	FAQs with regards to operating a Cu ER tankhouse above 400 A/m ² using the METTOP-BRX-Technology	Copper			Nov 13 - 16	Kobe, Japan		2016
102	Filzwieser A., Hanel M., Filzwieser I., Ruhs S., Wallner S.	Furnace Integrity - METTOP's holistic approach to face today's challenges	Copper			Nov 13 - 16	Kobe, Japan		2016
103	Filzwieser A., Hanel M., Filzwieser I., Ruhs S., Wallner S.	ILTEC - METTOP's revolutionary and safe cooling solution	Copper			Nov 13 - 16	Kobe, Japan		2016
104	Filzwieser A., Filzwieser I., Degel R., Joubert J.	Innovative solutions for sustainable non-ferrous metals production	Copper			Nov 13 - 16	Kobe, Japan		2016
105	Filzwieser A., Filzwieser I., Wallner S.	METTOP-BRX Technology – Eliminating concerns and highlighting potentials of the concept of tankhouse optimization	EMC	3		26-28 June	Leipzig, Germany	1039-1052	2017
106	Filzwieser A., Hanel M., Filzwieser I., Ruhs S., Wallner S.	Furnace Integrity - Mettop's holistic approach for combining refractory engineering and cooling solutions	EMC	4		26-28 June	Leipzig, Germany	1617-1626	2017
107	Filzwieser A., Hanel M., Filzwieser I., Ruhs S., Wallner S.	ILTEC Technology – New pathways towards safe AND effective cooling	EMC	1		26-28 June	Leipzig, Germany	293-306	2017
108	Filzwieser A., Filzwieser I., Degel R., Joubert J.	Innovative Solutions in Non-Ferrous Metals Production Lines	EMC	2		26-28 June	Leipzig, Germany	621-640	2017
109	Filzwieser A., Filzwieser I., Wallner S., Hanel M.	METTOP-BRX Technology – Eliminating concerns and highlighting potentials of the concept of tankhouse optimization	TMS 2017			26. Feb.-2. March	San Diego, USA		2017
110	Hanel M., Filzwieser A., Filzwieser I., Wallner S.	Bypassing problems related to water cooling - A case study for applying ILTEC in a 100t EAF	3rd ESTAD - European Steel, Technology and Application Days			26.29. June	Vienna, Austria	850-859	2017
111	Filzwieser A., Degel R., Joubert J., Hanel M., Lux T.	Innovative Solutions in Non-Ferrous Metals Production Lines	Metall	65	6			229-233	2017
112	Hanel M., Filzwieser A., Ruhs S.	ILTEC Technology – New pathways towards safe AND effective cooling	Erzmetall	69	5			275-281	2016
113	R. Degel, R. Nörthemann, T. Lux, M. Hanel, A. Filzwieser, A. van Niekerk	ILTEC - Revolutionary and safe cooling solution for ferro alloy furnaces	Infacon XV: International Ferro-Alloys Congress				Cape Town, South Africa		2018
114	R. Degel, T. Lux, R. Nörthemann, A. Filzwieser, C. Ruhs, A. van Niekerk	Furnace integrity of ferro alloy furnaces - symbiosis of process, cooling, refractory lining and furnace design	Infacon XV: International Ferro-Alloys Congress				Cape Town, South Africa		2018
115	Martina B. Hanel, Andreas Filzwieser, Rolf Degel	Bypassing problems related to water cooling - case study for applying ILTEC in an 100t EAF	The 7th International Congress on Science and Technology of Steelmaking (ICS 2018)			13.-15. June	Venedig, Italien		2018
116	Martina B. Hanel, Andreas Filzwieser, Rolf Degel	ILTEC – Highlighting potentials and eliminating concerns regarding the safe and water-free cooling technology	International Congress on Science and Technology of Ironmaking ICSTI 2018			25.-28. Sept.	Wien, Österreich		2018
117	M. Hanel, A. Filzwieser, R. Degel, H.-J. Krassnig	ILTEC—Highlighting Potentials and Eliminating Concerns Regarding the Safe and Water-Free Cooling Technology	BHM Berg und Hüttenmännische Monatshefte				https://doi.org/10.1007/s00501-019-0819-z		2019
118	M. Hanel, A. Filzwieser, R. Degel, H.-J. Krassnig, T. Lux, A. Bergs	ILTEC - Revolutionary and safe cooling solution for the iron and steel industry	4th ESTAD - European Steel, Technology and Application Days			24.-27. June	Düsseldorf, Germany		2019
119	R. Degel, A. Filzwieser, T. Lux, H. Joubert, H.-J. Krassnig, M.B. Hanel	Innovative Solutions in Non-Ferrous Metals Production Lines	EMC 2019	2		23.-26. June	Düsseldorf, Germany	753-768	2019
120	A. van Niekerk, R. Degel, A. Filzwieser, T. Lux	Furnace Integrity of electric furnaces- symbiosis of process, cooling, refractory lining and furnace design	EMC 2019	4		23.-26. June	Düsseldorf, Germany	1599-1616	2019
121	M. Hanel, A. Filzwieser, H.-J. Krassnig, R. Degel	ILTEC - Mettop's Revolutionary and Safe Cooling Solution	EMC 2019	4		23.-26. June	Düsseldorf, Germany	1389-1398	2019
122	R. Degel, A. Filzwieser, T. Lux, C. Zimmermann, S. Konetschnik	UrbanGold Technology - the solution for an eco-nomical and sustainable recycling of electronic scrap	EMC 2019	3		23.-26. June	Düsseldorf, Germany	941-957	2019
123	Hans-Jörg Krassnig	ionicLife Cast Technology - Unique copper in copper cast technology using ionic liquids as cooling media	Kupferfachausschuss			22. October	Brixlegg, Austria		2020
124	Hans-Jörg Krassnig, Tobias Hangler, Andreas Filzwieser, Javier Bolado	ionicLife Cast Technology – High Performance Copper Coolers	World of Metallurgy – ERZMETALL	73	6				2020

Publications of Mettop

1996 - present

	Author(s)	Titel of Paper	Name of Journal/Conference	Vol. Book Nr.	Date	Location	Pages	Year
125	Hans-Jörg Krassnig, Andreas Filzwieser, Javier Bolado, Tobias Hangler, Martina Hanel	ionicLife cast technology	AISTech 2021		July	Nashville, Tennessee		2021
126	Martina Hanel, Andreas Filzwieser, Hans-Jörg Krassnig	ILTEC Technology – New pathways towards safe AND effective cooling	EMC2021		June	Salzburg, Austria		2021
127	Hans-Jörg Krassnig, Tobias Hangler, Andreas Filzwieser, Javier Bolado	ionicLife cast technology – high performance copper coolers	EMC2021		June	Salzburg, Austria		2021
128	Matthias Lindthaler, Andreas Filzwieser, Hans-Jörg Krassnig	DigMet ESCD: Early short-circuit detection	EMC2021		June	Salzburg, Austria		2021
129	Karl Büchner, Stefan Konetschnik, Andreas Filzwieser	Advanced E-Waste Recycling by the HENRI MiniSmelter Concept	EMC2021		June	Salzburg, Austria		2021
130	Hans-Jörg Krassnig, Andreas Filzwieser, Javier Bolado, Martina Hanel	ionicLife cast technology - real copper in copper cast for tuyeres	ESTAD 2021		June	Stockholm, Norway		2021
131	Martina Hanel, Andreas Filzwieser, Hans-Jörg Krassnig	Bypassing Problems related to Water Cooling – Concepts for ILTEC cooled side walls	ESTAD 2021		June	Stockholm, Norway		2021
132	Martina Hanel, Andreas Filzwieser, Hans-Jörg Krassnig	ILTEC Technology – New pathways towards safe AND effective cooling	8th ECIC & 9th ICSTI conference		October	Bremen, Germany		2021
133	Hans-Jörg Krassnig, Andreas Filzwieser, Javier Bolado, Martina Hanel	ionicLife cast technology - real copper in copper cast for tuyeres	8th ECIC & 9th ICSTI conference		October	Bremen, Germany		2021