

Thomas Leissner

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Preparation strategy for statistically significant micrometer-sized particle systems suitable for correlative 3D imaging workflows on the example of X-ray microtomography. Powder Technology, 2022, 395, 235-242.	4.2	3
2	PARROT: A Pilot Study on the Open Access Provision of Particle-Discrete Tomographic Datasets. Microscopy and Microanalysis, 2022, 28, 350-360.	0.4	5
3	Neighborhood Relationships of Widely Distributed and Irregularly Shaped Particles in Partially Dewatered Filter Cakes. Transport in Porous Media, 2021, 138, 201-224.	2.6	1
4	Impact of Sodium Hexametaphosphate on the Flotation of Ultrafine Magnesite from Dolomite-Rich Desliming Tailings. Minerals (Basel, Switzerland), 2021, 11, 499.	2.0	3
5	Comprehensive, multidimensional and correlative particle characterization of a saxolite and talcum compound to support the understanding of complex separation processes. Microscopy and Microanalysis, 2021, 27, 934-937.	0.4	2
6	Automated mineralogy as a novel approach for the compositional and textural characterization of spent lithium-ion batteries. Minerals Engineering, 2021, 169, 106924.	4.3	34
7	Computing single-particle flotation kinetics using automated mineralogy data and machine learning. Minerals Engineering, 2021, 170, 107054.	4.3	10
8	Characterizing material liberation of multi-material lightweight structures from shredding experiments and finite element simulations. Minerals Engineering, 2021, 172, 107142.	4.3	7
9	Preparation techniques for micron-sized particulate samples in X-ray microtomography. Powder Technology, 2020, 360, 989-997.	4.2	12
10	3D ex-situ and in-situ X-ray CT process studies in particle technology – A perspective. Advanced Powder Technology, 2020, 31, 78-86.	4.1	31
11	Study on the influence of solids volume fraction on filter cake structures using micro tomography. Powder Technology, 2020, 363, 286-299.	4.2	14
12	R as an environment for data mining of process mineralogy data: A case study of an industrial rougher flotation bank. Minerals Engineering, 2020, 146, 106111.	4.3	9
13	Evaluation of Recyclability of a WEEE Slag by Means of Integrative X-Ray Computer Tomography and SEM-Based Image Analysis. Minerals (Basel, Switzerland), 2020, 10, 309.	2.0	15
14	Breakage characterization of gold ore components. Minerals Engineering, 2020, 151, 106314.	4.3	1
15	Multiscale Tomographic Analysis for Micron-Sized Particulate Samples. Microscopy and Microanalysis, 2020, 26, 676-688.	0.4	14
16	Multidimensional characterization of separation processes – Part 2: Comparability of separation efficiency. Minerals Engineering, 2020, 150, 106284.	4.3	12
17	Co-localized (colloidal probe) atomic force microscopy/Raman spectroscopy measurements for hydrophobicity characterization. Minerals Engineering, 2019, 141, 105838.	4.3	2
18	Optimal sensor selection for sensor-based sorting based on automated mineralogy data. Journal of Cleaner Production, 2019, 234, 1144-1152.	9.3	17

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19	Processing and Characterization of Beads with Graded Layer Compositions Based on Zirconia and TRIPâ€Steel. <i>Advanced Engineering Materials</i> , 2019, 21, 1800615.	3.5	4
20	Stochastic Modeling of Multidimensional Particle Properties Using Parametric Copulas. <i>Microscopy and Microanalysis</i> , 2019, 25, 720-734.	0.4	18
21	Multidimensional characterization of separation processes â€ Part 1: Introducing kernel methods and entropy in the context of mineral processing using SEM-based image analysis. <i>Minerals Engineering</i> , 2019, 137, 78-86.	4.3	29
22	Froth properties and entrainment in lab-scale flotation: A case of carbonaceous sedimentary phosphate ore. <i>Chemical Engineering Research and Design</i> , 2019, 142, 100-110.	5.6	26
23	Impact of flotation hydrodynamics on the optimization of fine-grained carbonaceous sedimentary apatite ore beneficiation. <i>Powder Technology</i> , 2019, 345, 223-233.	4.2	36
24	Crushing of large Li-ion battery cells. <i>Waste Management</i> , 2019, 85, 317-326.	7.4	61
25	High voltage fragmentation of composites from secondary raw materials â€ Potential and limitations. <i>Waste Management</i> , 2018, 74, 123-134.	7.4	35
26	Flotation study of fine grained carbonaceous sedimentary apatite ore â€ Challenges in process mineralogy and impact of hydrodynamics. <i>Minerals Engineering</i> , 2018, 121, 196-204.	4.3	52
27	Breakage and liberation characteristics of low grade sulphide gold ore blends. <i>Minerals Engineering</i> , 2018, 115, 33-40.	4.3	15
28	Recovery potential of flotation tailings assessed by spatial modelling of automated mineralogy data. <i>Minerals Engineering</i> , 2018, 116, 143-151.	4.3	17
29	Mehrdimensionale Eigenschaften von Partikelsystemen - ganzheitliche Eigenschaftsfunktion (PE). <i>Chemie-Ingenieur-Technik</i> , 2018, 90, 1209-1210.	0.8	0
30	Description of Ore Particles from X-Ray Microtomography (XMT) Images, Supported by Scanning Electron Microscope (SEM)-Based Image Analysis. <i>Microscopy and Microanalysis</i> , 2018, 24, 461-470.	0.4	32
31	Evaluation of Magnetic Separation Efficiency on a Cassiterite-Bearing Skarn Ore by Means of Integrative SEM-Based Image and XRFâ€XRD Data Analysis. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 390.	2.0	25
32	A mineral liberation study of grain boundary fracture based on measurements of the surface exposure after milling. <i>International Journal of Mineral Processing</i> , 2016, 156, 3-13.	2.6	35
33	MLA-based partition curves for magnetic separation. <i>Minerals Engineering</i> , 2016, 94, 94-103.	4.3	35
34	A study of the reprocessing of fine and ultrafine cassiterite from gravity tailing residues by using various flotation techniques. <i>Minerals Engineering</i> , 2016, 96-97, 94-98.	4.3	79
35	Study of the relationship between zinnwaldite chemical composition and magnetic susceptibility. <i>Minerals Engineering</i> , 2015, 72, 27-30.	4.3	11
36	Liberation Measurements Used in Upgrading Curves. <i>Chemie-Ingenieur-Technik</i> , 2014, 86, 899-905.	0.8	3

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37	Milling Result Prediction. Lecture Notes in Earth System Sciences, 2014, , 717-721.	0.6	0
38	Evaluation of mineral processing by assessment of liberation and upgrading. Minerals Engineering, 2013, 53, 171-173.	4.3	28
39	Bewertung der Magnetscheidung Lithium-haltiger Glimmer am Beispiel von Zinnwaldit. Chemie-Ingenieur-Technik, 2012, 84, 1382-1382.	0.8	0