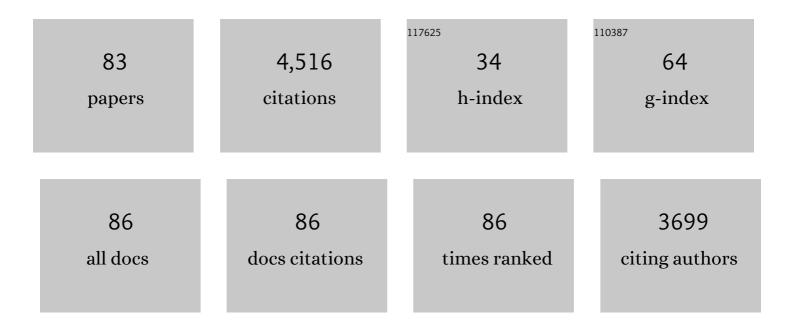
List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4488164/publications.pdf Version: 2024-02-01



IAN FISEN

#	Article	IF	CITATIONS
1	Supplementary Cementitious Materials. Reviews in Mineralogy and Geochemistry, 2012, 74, 211-278.	4.8	350
2	Microscopy of historic mortars—a review. Cement and Concrete Research, 2006, 36, 1416-1424.	11.0	260
3	Surface textural analysis of quartz grains by scanning electron microscopy (SEM): From sample preparation to environmental interpretation. Earth-Science Reviews, 2014, 128, 93-104.	9.1	223
4	6. Supplementary Cementitious Materials. , 2012, , 211-278.		215
5	Phase and morphology evolution of calcium carbonate precipitated by carbonation of hydrated lime. Journal of Materials Science, 2012, 47, 6151-6165.	3.7	207
6	Pozzolanic reactions of common natural zeolites with lime and parameters affecting their reactivity. Cement and Concrete Research, 2009, 39, 233-240.	11.0	171
7	Pozzolanic reactivity of pure calcined clays. Applied Clay Science, 2016, 132-133, 552-560.	5.2	168
8	Accelerated mineral carbonation of stainless steel slags for CO2 storage and waste valorization: Effect of process parameters on geochemical properties. International Journal of Greenhouse Gas Control, 2013, 17, 32-45.	4.6	167
9	Nineteenth century hydraulic restoration mortars in the Saint Michael's Church (Leuven, Belgium). Cement and Concrete Research, 2001, 31, 397-403.	11.0	156
10	Stabilization of basic oxygen furnace slag by hot-stage carbonation treatment. Chemical Engineering Journal, 2012, 203, 239-250.	12.7	136
11	Report of TC 238-SCM: hydration stoppage methods for phase assemblage studies of blended cements—results of a round robin test. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	3.1	132
12	Assessment of Pb-slag, MSWI bottom ash and boiler and fly ash for using as a fine aggregate in cement mortar. Journal of Hazardous Materials, 2008, 154, 766-777.	12.4	125
13	Understanding the carbonation of concrete with supplementary cementitious materials: a critical review by RILEM TC 281-CCC. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	3.1	123
14	RILEM TC-238 SCM recommendation on hydration stoppage by solvent exchange for the study of hydrate assemblages. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	3.1	117
15	Real-time investigation of reaction rate and mineral phase modifications of lime carbonation. Construction and Building Materials, 2012, 35, 741-751.	7.2	113
16	Pre-treatment of municipal solid waste incineration (MSWI) bottom ash for utilisation in cement mortar. Construction and Building Materials, 2015, 96, 76-85.	7.2	111
17	Multi-scale analysis on the influence of moisture on the mechanical behavior of ferruginous sandstone. Construction and Building Materials, 2014, 54, 78-90.	7.2	109
18	Study of ancient mortars from Sagalassos (Turkey) in view of their conservation. Cement and Concrete Research, 2002, 32, 1457-1463.	11.0	99

#	Article	IF	CITATIONS
19	Early age hydration and pozzolanic reaction in natural zeolite blended cements: Reaction kinetics and products by in situ synchrotron X-ray powder diffraction. Cement and Concrete Research, 2010, 40, 1704-1713.	11.0	93
20	Ultrasound-intensified mineral carbonation. Applied Thermal Engineering, 2013, 57, 154-163.	6.0	85
21	Continuous elimination of Pb2+, Cu2+, Zn2+, H+ and NH4+ from acidic waters by ionic exchange on natural zeolites. Journal of Hazardous Materials, 2009, 166, 619-627.	12.4	63
22	Susceptibility of mineral phases of steel slags towards carbonation: mineralogical, morphological and chemical assessment. European Journal of Mineralogy, 2013, 25, 533-549.	1.3	59
23	Microscopical study of ancient mortars from Tournai (Belgium). Materials Characterization, 2004, 53, 289-294.	4.4	54
24	Characterisation of pore structure by combining mercury porosimetry and micrography. Materials and Structures/Materiaux Et Constructions, 2001, 34, 76-82.	3.1	51
25	Rilem TC 203-RHM: Repair mortars for historic masonry. Testing of hardened mortars, a process of questioning and interpreting. Materials and Structures/Materiaux Et Constructions, 2009, 42, 853-865.	3.1	47
26	Stability of pyrochlores in alkaline matrices: Solubility of calcium antimonate. Applied Geochemistry, 2011, 26, 809-817.	3.0	47
27	RILEM TC 203-RHM: Repair mortars for historic masonry. Materials and Structures/Materiaux Et Constructions, 2012, 45, 1287-1294.	3.1	47
28	Borate Distribution in Stabilized Stainless-Steel Slag. Journal of the American Ceramic Society, 2008, 91, 548-554.	3.8	44
29	Calorimetric evolution of the early pozzolanic reaction of natural zeolites. Journal of Thermal Analysis and Calorimetry, 2010, 101, 97-105.	3.6	44
30	Towards zero-waste mineral carbon sequestration via two-way valorization of ironmaking slag. Chemical Engineering Journal, 2014, 249, 260-269.	12.7	44
31	The zeolite–lime pozzolanic reaction: Reaction kinetics and products by in situ synchrotron X-ray powder diffraction. Microporous and Mesoporous Materials, 2009, 126, 40-49.	4.4	43
32	Use of computer assisted image analysis for the determination of the grain-size distribution of sands used in mortars. Cement and Concrete Research, 2006, 36, 1453-1459.	11.0	41
33	Slag Solidification Modeling Using the Scheil?Gulliver Assumptions. Journal of the American Ceramic Society, 2007, 90, 1177-1185.	3.8	39
34	Supplementary Cementitious Materials for Concrete: Characterization Needs. Materials Research Society Symposia Proceedings, 2012, 1488, 8.	0.1	39
35	Potential of inorganic polymers (geopolymers) made of halloysite and volcanic glass for the immobilisation of tailings from gold extraction in Ecuador. Applied Clay Science, 2015, 109-110, 95-106.	5.2	37
36	Hydraulicity in Historic Lime Mortars: A Review. RILEM Bookseries, 2012, , 125-139.	0.4	35

#	Article	IF	CITATIONS
37	RILEM TC 203-RHM: Repair mortars for historic masonry. Materials and Structures/Materiaux Et Constructions, 2012, 45, 1277-1285.	3.1	34
38	Zeolite occurrence and genesis in the Late-Cretaceous Cayo arc of Coastal Ecuador: Evidence for zeolite formation in cooling marine pyroclastic flow deposits. Applied Clay Science, 2014, 87, 108-119.	5.2	32
39	Gypsum efflorescence on clay brick masonry: Field survey and literature study. Construction and Building Materials, 2015, 85, 57-64.	7.2	32
40	Determination of the wc ratio of hardened cement paste and concrete samples on thin sections using automated image analysis techniques. Cement and Concrete Research, 1995, 25, 827-834.	11.0	27
41	Zeolite mineralogy of the Cayo formation in Guayaquil, Ecuador. Applied Clay Science, 2008, 42, 180-188.	5.2	25
42	Preparation, characterization and reaction kinetics of green cement: Ecuadorian natural mordenite-based geopolymers. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	3.1	25
43	RILEM TC 203-RHM: Repair mortars for historic masonry. Materials and Structures/Materiaux Et Constructions, 2012, 45, 1295-1302.	3.1	23
44	Distinguishing between carbonate and non-carbonate precipitates from the carbonation of calcium-containing organic acid leachates. Hydrometallurgy, 2014, 147-148, 90-94.	4.3	23
45	Quantitative mineralogical analysis of hydraulic limes by X-ray diffraction. Cement and Concrete Research, 2007, 37, 1524-1530.	11.0	22
46	Influence of temperature on the cation distribution in calcium mordenite. The Journal of Physical Chemistry, 1987, 91, 5800-5805.	2.9	21
47	Automated air void analysis on hardened concrete. Cement and Concrete Research, 2001, 31, 1027-1031.	11.0	21
48	In situ synchrotron X-ray powder diffraction study of the early age hydration of cements blended with zeolitite and quartzite fines and water-reducing agent. Applied Clay Science, 2013, 72, 124-131.	5.2	21
49	Quantitative clay mineralogy as provenance indicator for recent muds in the southern North Sea. Marine Geology, 2018, 398, 48-58.	2.1	20
50	Relating the Cation Exchange Properties of the Boom Clay (Belgium) to Mineralogy and Pore-Water Chemistry. Clays and Clay Minerals, 2018, 66, 449-465.	1.3	19
51	Thermomechanical treatment of two Ecuadorian zeolite-rich tuffs and their potential usage as supplementary cementitious materials. Journal of Thermal Analysis and Calorimetry, 2014, 115, 309-321.	3.6	18
52	Quantitative composition of ancient mortars from the Notre Dame Cathedral in Tournai (Belgium). Materials Characterization, 2009, 60, 580-585.	4.4	17
53	Microscopic analysis of imbibition processes in oolitic limestone. Geophysical Research Letters, 2000, 27, 3533-3536.	4.0	16
54	Raw materials used in ancient mortars from the Cathedral of Notre-Dame in Tournai (Belgium). European Journal of Mineralogy, 2011, 23, 871-882.	1.3	16

#	Article	IF	CITATIONS
55	Long-term clay raw material selection and use in the region of Classical/Hellenistic to Early Byzantine Sagalassos (SW Turkey). Journal of Archaeological Science, 2012, 39, 1296-1305.	2.4	16
56	Quality assurance and quality control of air entrained concrete. Cement and Concrete Research, 1994, 24, 1267-1276.	11.0	15
57	Natural Clay-Sized Glauconite in the Neogene Deposits of the Campine Basin (Belgium). Clays and Clay Minerals, 2014, 62, 35-52.	1.3	15
58	Mineralogy, Geochemistry, and Diagenesis of Clinoptilolite Tuffs (Miocene) in the Central Simav Graben, Western Turkey. Clays and Clay Minerals, 2008, 56, 622-632.	1.3	14
59	Clay mineralogical constraints on weathering in response to early Eocene hyperthermal events in the Bighorn Basin, Wyoming (Western Interior, USA). Bulletin of the Geological Society of America, 2017, 129, 997-1011.	3.3	14
60	Tracing the primary production location of core-formed glass vessels, Mediterranean Group I. Journal of Archaeological Science: Reports, 2016, 5, 1-9.	0.5	13
61	Understanding the leaching behavior of inorganic polymers made of iron rich slags. Journal of Cleaner Production, 2019, 238, 117736.	9.3	13
62	Evaluating the quantification of the clay mineralogy of the Rupelian Boom Clay in Belgium by a detailed study of size fractions. Applied Clay Science, 2021, 201, 105954.	5.2	12
63	A unique recipe for glass beads at Iron Age Sardis. Journal of Archaeological Science, 2019, 108, 104974.	2.4	9
64	Durability performance of binary and ternary blended cementitious systems with calcined clay: a RILEM TC 282-CCL, review. Materials and Structures/Materiaux Et Constructions, 2022, 55, .	3.1	9
65	Lessons from a lost technology: The secrets of Roman concrete. American Mineralogist, 2013, 98, 1917-1918.	1.9	8
66	The pozzolanic reaction between clinoptilolite and portlandite: a time and spatially resolved IR study. European Journal of Mineralogy, 2010, 22, 767-777.	1.3	7
67	Viaeneite, (Fe,Pb)4S8O, a new mineral with mixed sulphur valencies from Engis, Belgium. European Journal of Mineralogy, 1996, 8, 93-102.	1.3	7
68	The upper Miocene Deurne Member of the Diest Formation revisited: unexpected results from the study of a large temporary outcrop near Antwerp International Airport, Belgium. Geologica Belgica, 2020, 23, 219-252.	1.1	7
69	Hydration and strength evolution of air-cured zeolite-rich tuffs and siltstone blended cement pastes at low water-to-binder ratio. Clay Minerals, 2015, 50, 133-152.	0.6	6
70	Gypsum efflorescence on clay brick masonry: Analysis of potential efflorescence origins. Journal of Building Physics, 2020, 44, 37-66.	2.4	6
71	Minéralogie des silicates de calcium présents dans des mortiers anciens à Tournai. ArcheoSciences, 2006, , 61-65.	0.1	6
72	Hardening of Calcium Hydroxide and Calcium Silicate Binders Due to Carbonation and Hydration. , 2006, , 589-599.		5

#	Article	IF	CITATIONS
73	Hydration process of zeolite-rich tuffs and siltstone-blended cement pastes at low W/B ratio, under wet curing condition. European Journal of Environmental and Civil Engineering, 2014, 18, 629-651.	2.1	5
74	Hardening of mortars made from cement, rice husk ash and lime. Proceedings of Institution of Civil Engineers: Construction Materials, 2009, 162, 19-27.	1.1	4
75	Study of composition change and agglomeration of flue gas cleaning residue from a fluidized bed waste incinerator. Environmental Technology (United Kingdom), 2011, 32, 1637-1647.	2.2	3
76	Portland Cement and other Calcareous Hydraulic Binders. , 0, , 441-479.		3
77	Effect of Calcium Hydroxide and Water to Solid Ratio on Compressive Strength of Mordenite-Based Geopolymer and the Evaluation of its Thermal Transmission Property. , 2018, , .		2
78	The Rietveld structure refinement of an exceptionally pure sample of clinoptilolite from Ecuador and its Na-, K-, and Ca-exchanged forms. Zeitschrift Für Kristallographie, Supplement, 2009, 2009, 395-400.	0.5	1
79	Simulieren der kapillaren Wasseraufnahme von porösen Werkstoffen des Bauwesens / Modelling of the Capillary Water Absorption of Porous Building Materials. Restoration of Buildings and Monuments, 2000, 6, 293-306.	0.6	0
80	Reference Materials for Adequate Porosity Measurements. Key Engineering Materials, 2001, 206-213, 681-684.	0.4	0
81	Pozzolanic Potential of the Calcined Clay-Lime System. RILEM Bookseries, 2015, , 567-567.	0.4	0
82	Terrestrial sedimentary archives of episodes of greenhouse warming in ancient river floodplain deposits of the Bighorn Basin, Wyoming. Rendiconti Online Societa Geologica Italiana, 0, 31, 3-4.	0.3	0
83	Halloysite occurrence at the karstified contact of Oligocene sands and Cretaceous calcarenites in Hinnisdael quarries, Vechmaal (NE of Belgium). Geologica Belgica, 2017, 20, 43-52.	1.1	Ο