

Maurizio Bellotto

List of Publications by Year in descending order

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59
papers

2,417
citations

304743

22
h-index

197818

49
g-index

62
all docs

62
docs citations

62
times ranked

2239
citing authors

#	ARTICLE	IF	CITATIONS
1	Capture and Release Mechanism of Ni and La Ions via Solid/Liquid Process: Use of Polymer-Modified Clay and Activated Carbons. <i>Polymers</i> , 2022, 14, 485.	4.5	2
2	Influence of supplementary cementitious materials on factors controlling the fresh state of hydraulic binders. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	0
3	Small oscillatory rheology and cementitious particle interactions. <i>Cement and Concrete Research</i> , 2022, 157, 106790.	11.0	8
4	Capture and release mechanism of La ions by new polyamine-based organoclays: A model system for rare-earths recovery in urban mining process. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104730.	6.7	7
5	Influence of cellulose nanofibrils on the rheology, microstructure and strength of alkali activated ground granulated blast-furnace slag: a comparison with ordinary Portland cement. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	3.1	16
6	Capture Mechanism of La and Cu Ions in Mixed Solutions by Clay and Organoclay. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 6803-6813.	3.7	10
7	Heavy-Metal Phytoremediation from Livestock Wastewater and Exploitation of Exhausted Biomass. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2239.	2.6	36
8	Wastewater Treatment Using Alkali-Activated-Based Sorbents Produced from Blast Furnace Slag. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2985.	2.5	7
9	A Fresh View on Limestone Calcined Clay Cement (LC3) Pastes. <i>Materials</i> , 2021, 14, 3037.	2.9	24
10	Natural Clays as Potential Amino Acids Carriers for Animal Nutrition Application. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5669.	2.5	2
11	Natural additives and biopolymers for raw earth construction stabilization – a review. <i>Construction and Building Materials</i> , 2021, 304, 124507.	7.2	53
12	Reduced Graphene Oxide Membranes as Potential Self-Assembling Filter for Wastewater Treatment. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 15.	2.0	10
13	Rare Earths (La, Y, and Nd) Adsorption Behaviour towards Mineral Clays and Organoclays: Monoionic and Trionic Solutions. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 30.	2.0	13
14	Stabilization of lead contaminated soil with traditional and alternative binders. <i>Journal of Hazardous Materials</i> , 2020, 382, 120990.	12.4	59
15	Compositional characterization of Etruscan earthen architecture and ceramic production. <i>Archaeometry</i> , 2020, 62, 1130-1144.	1.3	7
16	Simple ions control the elasticity of calcite gels via interparticle forces. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 280-288.	9.4	9
17	On the preparation of concentrated gypsum slurry to reuse sulfate-process TiO ₂ byproduct stream. <i>Journal of Cleaner Production</i> , 2018, 195, 1468-1475.	9.3	3
18	Characterization of clays and the technology of Roman ceramics production. <i>Clay Minerals</i> , 2018, 53, 413-429.	0.6	3

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19	Particle packing and rheology of cement pastes at different replacement levels of cement by $\hat{\pm}$ -Al ₂ O ₃ submicron particles. <i>Construction and Building Materials</i> , 2017, 139, 256-266.	7.2	18
20	Elasticity and yielding of a calcite paste: scaling laws in a dense colloidal suspension. <i>Soft Matter</i> , 2017, 13, 2014-2023.	2.7	28
21	5. Role of hydrotalcite-type layered double hydroxides in delayed pozzolanic reactions and their bearing on mortar dating. , 2017, , 147-158.		11
22	Cement paste prior to setting: A rheological approach. <i>Cement and Concrete Research</i> , 2013, 52, 161-168.	11.0	62
23	Optimization of Anti-creep Admixtures for Plasterboards. , 2013, , .		1
24	A dynamic leaching method for the assessment of trace metals released from hydraulic binders. <i>Waste Management</i> , 2002, 22, 153-157.	7.4	21
25	Time- and space-resolved dynamic studies on ceramic and cementitious materials. <i>Journal of Synchrotron Radiation</i> , 2000, 7, 167-177.	2.4	23
26	Title is missing!. <i>Journal of Materials Science</i> , 1999, 34, 2609-2620.	3.7	29
27	On the Crystal Structure and Cation Valence of Mn in Mn-Substituted Ba- $\hat{2}$ -Al ₂ O ₃ . <i>Journal of Catalysis</i> , 1998, 179, 597-605.	6.2	70
28	Modelling the structure of the metastable phases in the reaction sequence kaolinite-mullite by X-ray scattering experiments. <i>Physics and Chemistry of Minerals</i> , 1998, 25, 442-452.	0.8	77
29	Thermal Expansion of C<sub>3</sub&S and Mg-Doped Alite. <i>Materials Science Forum</i> , 1998, 278-281, 384-389.	0.3	3
30	Mechanism of Pseudo-Boehmite Dehydration: Influence of Reagent Structure and Reaction Kinetics on the Transformation Sequence. <i>Materials Science Forum</i> , 1998, 278-281, 572-577.	0.3	12
31	The Role of Powder X-Ray Diffraction in the Cement Industry: Recent Advances and Future Developments. <i>Materials Science Forum</i> , 1998, 278-281, 846-851.	0.3	2
32	Contribution Ã la dÃ©termination de la structure de l'alite par diffraction des rayons X sur poudres. <i>European Physical Journal Special Topics</i> , 1998, 08, Pr5-511-Pr5-518.	0.2	0
33	A Reexamination of Hydrotalcite Crystal Chemistry. <i>The Journal of Physical Chemistry</i> , 1996, 100, 8527-8534.	2.9	396
34	Mn crystal chemistry in pumpellyite; a resonant scattering powder diffraction Rietveld study using synchrotron radiation. <i>American Mineralogist</i> , 1996, 81, 603-610.	1.9	17
35	Hydrotalcite Decomposition Mechanism: A Clue to the Structure and Reactivity of Spinel-like Mixed Oxides. <i>The Journal of Physical Chemistry</i> , 1996, 100, 8535-8542.	2.9	233
36	Hydrotalcite Thermal Decomposition Mechanism: In Situ Study by XRD, AWAXS and EXAFS of a Layered Catalyst Precursor. <i>Materials Science Forum</i> , 1996, 228-231, 347-352.	0.3	0

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37	Assessment of an In-Situ Reactor Cell: Temperature Calibration and Reliability of Diffracted Intensity. Materials Science Forum, 1996, 228-231, 153-160.	0.3	0
38	The Crystal Structure of Ba ²⁺ -Alumina Materials for High-Temperature Catalytic Combustion. Journal of Solid State Chemistry, 1995, 114, 326-336.	2.9	55
39	FT-IR Skeletal Powder Spectra of Ba ²⁺ -Aluminas with Compositions BaAl ₉ O _{14.5} , BaAl ₁₂ O ₁₉ , and BaAl ₁₄ O ₂₂ and of Ba-Ferrite, BaFe ₁₂ O ₁₉ . Journal of Solid State Chemistry, 1995, 117, 8-15.	2.9	44
40	Kinetic study of the kaolinite-mullite reaction sequence. Part I: Kaolinite dehydroxylation. Physics and Chemistry of Minerals, 1995, 22, 207.	0.8	179
41	Kinetic study of the kaolinite-mullite reaction sequence. Part II: Mullite formation. Physics and Chemistry of Minerals, 1995, 22, 215.	0.8	119
42	Nature of Structural Disorder in Natural Kaolinites: A New Model Based on Computer Simulation of Powder Diffraction Data and Electrostatic Energy Calculation. Clays and Clay Minerals, 1995, 43, 438-445.	1.3	53
43	High Temperature Phase Transitions in Kaolinite: The Influence of Disorder and Kinetics on the Reaction Path. Materials Science Forum, 1994, 166-169, 3-22.	0.3	11
44	High Temperature Phase Transition of Muscovite-2M ₁ : Angle and Energy Dispersive Powder Diffraction Studies. Materials Science Forum, 1994, 166-169, 547-552.	0.3	4
45	Phase composition and mechanism of formation of Ba ²⁺ -alumina-type systems for catalytic combustion prepared by precipitation. Journal of Materials Science, 1994, 29, 3441-3450.	3.7	86
46	High-temperature <i>in situ</i> Rietveld study of Fe,Mg cation partitioning in olivine. Powder Diffraction, 1994, 9, 63-67.	0.2	5
47	Preparation and characterization of hexaaluminate-based materials for catalytic combustion. Applied Catalysis A: General, 1993, 104, 101-108.	4.3	165
48	Influence of the oxygen stoichiometry on the structural and optical properties of reactively evaporated ZrO _x films. Applied Physics Letters, 1993, 63, 2056-2058.	3.3	20
49	On the morphological properties of tungsta-titania de-NO _x ing catalysts. Journal of Materials Research, 1993, 8, 2019-2025.	2.6	45
50	Quantitative X-Ray Diffraction Rietveld Analysis of Low Temperature Coal Ashes. Materials Science Forum, 1991, 79-82, 745-750.	0.3	12
51	Inhomogeneity and Microstructure in e-Beam Evaporated ZrO ₂ Films. Materials Research Society Symposia Proceedings, 1990, 208, 137.	0.1	3
52	Fly ash from a coal power plant: Correlation of elemental and structural composition with electrostatic precipitator collection efficiency. Journal of Aerosol Science, 1990, 21, S697-S701.	3.8	3
53	Preparation chemistry and phase transformations in the Zn-Mn-Cr-O system. Solid State Ionics, 1989, 32-33, 112-122.	2.7	2
54	Structural investigation on a spinel-related Zn/Cr = 1 mixed-oxide system. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 895.	1.0	9

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55	Crystal structures of quartz and magnesium germanate by profile analysis of synchrotron-radiation high-resolution powder data. Journal of Applied Crystallography, 1988, 21, 182-191.	4.5	139
56	The refractive-index correction in powder diffraction. Acta Crystallographica Section A: Foundations and Advances, 1988, 44, 193-197.	0.3	24
57	Grazing incidence synchrotron x-ray diffraction method for analyzing thin films. Journal of Materials Research, 1987, 2, 471-477.	2.6	159
58	Lattice Parameter Determination using Synchrotron Powder Data. , 1987, , 373-382.		3
59	Lattice Parameter Determination Using Synchrotron Powder Data. Advances in X-ray Analysis, 1986, 30, 373-382.	0.0	2