

# Mauro Gemmi

## List of Publications by Year in descending order

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133  
papers

25,159  
citations

126708

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14702

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139  
all docs

139  
docs citations

139  
times ranked

51594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Jingsuiite, TiB <sub>2</sub> , a new mineral from the Cr-11 podiform chromitite orebody, Luobusa ophiolite, Tibet, China: Implications for recycling of boron. <i>American Mineralogist</i> , 2022, 107, 43-53.	0.9	10
2	Cerium oxide nanoparticles administration during machine perfusion of discarded human livers: A pilot study. <i>Liver Transplantation</i> , 2022, 28, 1173-1185.	1.3	13
3	Organic Cocrystals of TCNQ and TCNB Based on an Orthocetamol Backbone Solved by Three-Dimensional Electron Diffraction. <i>Crystal Growth and Design</i> , 2022, 22, 1155-1163.	1.4	7
4	Two New Organic Co-Crystals Based on Acetamidophenol Molecules. <i>Symmetry</i> , 2022, 14, 431.	1.1	1
5	Hybrid improper dipolar density wave in $\text{NaLaCoWO}_6$ . <i>Physical Review Materials</i> , 2022, 6, .	0.9	1
6	3D electron diffraction study of terrestrial iron oxide alteration in the Mineo pallasite. <i>Mineralogical Magazine</i> , 2022, 86, 272-281.	0.6	2
7	Rapid self-healing in IR-responsive plasmonic indium tin oxide/polyketone nanocomposites. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12957-12967.	5.2	7
8	3D electron diffraction for structure determination of small molecule nanocrystals: A possible breakthrough for the pharmaceutical industry. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, .	3.3	6
9	Supramolecular Isomerism in Cobalt(II) Coordination Polymers Built from 3,5-Bis(trifluoromethyl)benzoate and 4,4'-Bipyridine. <i>Crystal Growth and Design</i> , 2022, 22, 4463-4471.	1.4	1
10	Halide perovskites as disposable epitaxial templates for the phase-selective synthesis of lead sulfochloride nanocrystals. <i>Nature Communications</i> , 2022, 13, .	5.8	16
11	Effect of pressure on the properties of a NASICON $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ nanofiber solid electrolyte. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13688-13696.	5.2	15
12	Crystal Structure of Linagliptin Hemihydrate Hemioctahydrate (C <sub>25</sub> H <sub>28</sub> N <sub>8</sub> O <sub>2</sub> ) <sub>2</sub> (H <sub>2</sub> O)(C <sub>2</sub> H <sub>5</sub> OH) from 3D Electron Diffraction Data, Rietveld Refinement, and Density Functional Theory Optimization. <i>Crystal Growth and Design</i> , 2021, 21, 2019-2027.	1.4	10
13	Extended d-orbital molecules and magnetic phase separation in Bi <sub>0.68</sub> Ca <sub>0.32</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , 2021, 103, .	1.1	2
14	3D Electron Diffraction Structure Determination of Terrylene, a Promising Candidate for Intermolecular Singlet Fission. <i>ChemPhysChem</i> , 2021, 22, 1631-1637.	1.0	10
15	Structure determination, thermal stability and dissolution rate of $\beta$ -indomethacin. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121067.	2.6	15
16	Covalent organic functionalization of graphene nanosheets and reduced graphene oxide via 1,3-dipolar cycloaddition of azomethine ylide. <i>Nanoscale Advances</i> , 2021, 3, 5841-5852.	2.2	11
17	Crystal Structure of a Peculiar Polycyclic Aromatic Hydrocarbon Determined by 3D Electron Diffraction. <i>Crystal Growth and Design</i> , 2021, 21, 6341-6348.	1.4	4
18	Combined Approach of Mechanochemistry and Electron Crystallography for the Discovery of 1D and 2D Coordination Polymers. <i>Crystal Growth and Design</i> , 2021, 21, 6660-6664.	1.4	5

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19	A New Method Based on Electron Diffraction for Detecting Nanoparticles in Injectable Medicines. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 891-899.	1.6	0
20	Heterogeneity of nano-sized zeolite crystals. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109897.	2.2	5
21	Cs <sub>3</sub> Cu <sub>4</sub> In <sub>2</sub> Cl <sub>13</sub> Nanocrystals: A Perovskite-Related Structure with Inorganic Clusters at A Sites. <i>Inorganic Chemistry</i> , 2020, 59, 548-554.	1.9	16
22	Structural analysis of metastable pharmaceutical loratadine form II, by 3D electron diffraction and DFT+D energy minimisation. <i>CrystEngComm</i> , 2020, 22, 7490-7499.	1.3	13
23	Uranium-free X solution: a new generation contrast agent for biological samples ultrastructure. <i>Scientific Reports</i> , 2020, 10, 11540.	1.6	16
24	The Effect of the Starting Mineralogical Mixture on the Nature of Fe-Serpentines Obtained during Hydrothermal Synthesis AT 90°C. <i>Clays and Clay Minerals</i> , 2020, 68, 394-412.	0.6	4
25	Electron Diffraction on Flash-Frozen Cowlesite Reveals the Structure of the First Two-Dimensional Natural Zeolite. <i>ACS Central Science</i> , 2020, 6, 1578-1586.	5.3	18
26	Color Differences Highlight Concomitant Polymorphism of Chalcones. <i>Crystal Growth and Design</i> , 2020, 20, 6346-6355.	1.4	9
27	Nanocrystals of Lead Chalcohalides: A Series of Kinetically Trapped Metastable Nanostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 10198-10211.	6.6	34
28	Racemic Conglomerate Formation via Crystallization of Metaxalone from Volatile Deep Eutectic Solvents. <i>Crystal Growth and Design</i> , 2020, 20, 4731-4739.	1.4	9
29	The structure of kaliophilite KAlSiO <sub>4</sub> , a long-lasting crystallographic problem. <i>IUCr</i> , 2020, 7, 1070-1083.	1.0	9
30	A new olanzapine cocrystal obtained from volatile deep eutectic solvents and determined by 3D electron diffraction. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 1036-1044.	0.5	18
31	Two new minerals, badengzhuite, TiP, and zhiqinite, TiSi <sub>2</sub> , from the Cr-11 chromitite orebody, Luobusa ophiolite, Tibet, China: is this evidence for super-reduced mantle-derived fluids?. <i>European Journal of Mineralogy</i> , 2020, 32, 557-574.	0.4	20
32	Structural study of decrespignyite-(Y), a complex yttrium rare earth copper carbonate chloride, by three-dimensional electron and synchrotron powder diffraction. <i>European Journal of Mineralogy</i> , 2020, 32, 545-555.	0.4	0
33	3D electron diffraction techniques. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 495-504.	0.5	56
34	3D Electron Diffraction: The Nanocrystallography Revolution. <i>ACS Central Science</i> , 2019, 5, 1315-1329.	5.3	286
35	Evidence for subsolidus quartz-coesite transformation in impact ejecta from the Australasian tektite strewn field. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 264, 105-117.	1.6	9
36	The Crystal Structure of Orthocetamol Solved by 3D Electron Diffraction. <i>Angewandte Chemie</i> , 2019, 131, 11035-11038.	1.6	11

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37	The Crystal Structure of Orthocetamol Solved by 3D Electron Diffraction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10919-10922.	7.2	34
38	Novel TEM Microscopy and Electron Diffraction Techniques to Characterize Cultural Heritage Materials: From Ancient Greek Artefacts to Maya Mural Paintings. <i>Scanning</i> , 2019, 2019, 1-13.	0.7	4
39	Effects of cerium oxide nanoparticles on hemostasis: Coagulation, platelets, and vascular endothelial cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1551-1562.	2.1	28
40	An experimental and computational study into the crystallisation propensity of 2nd generation sulflower. <i>Chemical Communications</i> , 2019, 55, 14586-14589.	2.2	3
41	Daliranite, $PbHgAs_2S_5$ : determination of the incommensurately modulated structure and revision of the chemical formula. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 711-716.	0.5	5
42	Design and Synthesis of Ionic Liquid-Based Matrix Metalloproteinase Inhibitors (MMPis): A Simple Approach to Increase Hydrophilicity and to Develop MMPis-Coated Gold Nanoparticles. <i>ChemMedChem</i> , 2019, 14, 686-698.	1.6	2
43	Nanobeam precession-assisted 3D electron diffraction reveals a new polymorph of hen egg-white lysozyme. <i>IUCr</i> , 2019, 6, 178-188.	1.0	56
44	Single-crystal analysis of nanodomains by electron diffraction tomography: mineralogy at the order-disorder borderline. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 163-178.	0.4	27
45	Synthesis of colloidal Ag nanoparticles with citrate based ionic liquids as reducing and capping agents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 506-512.	2.3	30
46	A nanocrystalline monoclinic $CaCO_3$ precursor of metastable aragonite. <i>Science Advances</i> , 2018, 4, eaau6178.	4.7	28
47	Crystal Structures of Two Important Pharmaceuticals Solved by 3D Precession Electron Diffraction Tomography. <i>Organic Process Research and Development</i> , 2018, 22, 1365-1372.	1.3	44
48	Structure Determination of $Cu_2Te$ Plasmonic Nanocrystals by Precession-Assisted Electron Diffraction Tomography and HAADF-STEM Imaging. <i>Inorganic Chemistry</i> , 2018, 57, 10241-10248.	1.9	25
49	Crystalline Curcumin bioMOF Obtained by Precipitation in Supercritical $CO_2$ and Structural Determination by Electron Diffraction Tomography. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12309-12319.	3.2	36
50	Workers' Exposure to Nano-Objects with Different Dimensionalities in R&D Laboratories: Measurement Strategy and Field Studies. <i>International Journal of Molecular Sciences</i> , 2018, 19, 349.	1.8	24
51	Deterministic patterned growth of high-mobility large-crystal graphene: a path towards wafer scale integration. <i>2D Materials</i> , 2017, 4, 021004.	2.0	71
52	Chiral ionic liquid assisted synthesis of some metal oxides. <i>RSC Advances</i> , 2017, 7, 1154-1160.	1.7	12
53	Ionic Strength Responsive Sulfonated Polystyrene Opals. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4818-4827.	4.0	34
54	Cerium oxide nanoparticles: the regenerative redox machine in bioenergetic imbalance. <i>Nanomedicine</i> , 2017, 12, 403-416.	1.7	49

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55	Dolomite-IV: Candidate structure for a carbonate in the Earth's lower mantle. <i>American Mineralogist</i> , 2017, 102, 1763-1766.	0.9	42
56	Gelatin/nanoceria nanocomposite fibers as antioxidant scaffolds for neuronal regeneration. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 386-395.	1.1	69
57	Optical properties of boron nitride nanotubes: potential exploitation in nanomedicine. , 2016, , 139-147.		2
58	Electron diffraction determination of 11.5 Å... and HySo structures: Candidate water carriers to the Upper Mantle. <i>American Mineralogist</i> , 2016, 101, 2645-2654.	0.9	20
59	(Na, $\text{H}_2\text{O}$ ) <sub>5</sub> [MnO <sub>2</sub> ] <sub>13</sub> nanorods: a new tunnel structure for electrode materials determined <i>ab initio</i> and refined through a combination of electron and synchrotron diffraction data. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 893-903.	0.5	12
60	Ultrastructural Characterization of the Lower Motor System in a Mouse Model of Krabbe Disease. <i>Scientific Reports</i> , 2016, 6, 1.	1.6	20,953
61	Nucleation and growth mechanism of self-catalyzed InAs nanowires on silicon. <i>Nanotechnology</i> , 2016, 27, 255601.	1.3	21
62	Type II band alignment in InAs zinc-blende/wurtzite heterostructured nanowires. <i>Nanotechnology</i> , 2016, 27, 415201.	1.3	5
63	Ultrafast Electron Diffraction Tomography for Structure Determination of the New Zeolite ITQ-58. <i>Journal of the American Chemical Society</i> , 2016, 138, 10116-10119.	6.6	78
64	Scalable synthesis of WS <sub>2</sub> on graphene and h-BN: an all-2D platform for light-matter transduction. <i>2D Materials</i> , 2016, 3, 031013.	2.0	36
65	Catalyst Composition Tuning: The Key for the Growth of Straight Axial Nanowire Heterostructures with Group III Interchange. <i>Nano Letters</i> , 2016, 16, 7183-7190.	4.5	23
66	Graphene-based large area dye-sensitized solar cell modules. <i>Nanoscale</i> , 2016, 8, 5368-5378.	2.8	132
67	Rapid and catalyst-free van der Waals epitaxy of graphene on hexagonal boron nitride. <i>Carbon</i> , 2016, 96, 497-502.	5.4	43
68	Strain-induced band alignment in wurtzite/zinc-blende InAs heterostructured nanowires. <i>Physical Review B</i> , 2015, 92, .	1.1	12
69	Mapping of axial strain in InAs/InSb heterostructured nanowires. <i>Applied Physics Letters</i> , 2015, 107, 093103.	1.5	4
70	Confined Polymerization in Highly Ordered Mesoporous Organosilicas. <i>Chemistry - A European Journal</i> , 2015, 21, 18209-18217.	1.7	15
71	Active Targeting of Sorafenib: Preparation, Characterization, and In Vitro Testing of Drug-Loaded Magnetic Solid Lipid Nanoparticles. <i>Advanced Healthcare Materials</i> , 2015, 4, 1681-1690.	3.9	81
72	Design and optimization of lipid-modified poly(amidoamine) dendrimer coated iron oxide nanoparticles as probes for biomedical applications. <i>Nanoscale</i> , 2015, 7, 7307-7317.	2.8	10

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73	Structure refinement using precession electron diffraction tomography and dynamical diffraction: tests on experimental data. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 740-751.	0.5	115
74	Catalyst-free growth of InAs nanowires on Si (111) by CBE. Nanotechnology, 2015, 26, 415604.	1.3	29
75	Pr <sup>3+</sup> :BaY <sub>2</sub> F <sub>8</sub> Crystal Nanoparticles (24 nm) Produced by High-Energy Ball Milling: Spectroscopic Characterization and Comparison with Bulk Properties. Journal of Physical Chemistry C, 2015, 119, 2844-2851.	1.5	9
76	Fast electron diffraction tomography. Journal of Applied Crystallography, 2015, 48, 718-727.	1.9	134
77	Functionalized Graphene as an Electron-Cascade Acceptor for Air-Processed Organic Ternary Solar Cells. Advanced Functional Materials, 2015, 25, 3870-3880.	7.8	67
78	Conducting Shrinkable Nanocomposite Based on Au-Nanoparticle Implanted Plastic Sheet: Tunable Thermally Induced Surface Wrinkling. ACS Applied Materials & Interfaces, 2015, 7, 7060-7065.	4.0	33
79	The MnCO <sub>3</sub> -II high-pressure polymorph of rhodocrosite. American Mineralogist, 2015, 100, 2625-2629.	0.9	17
80	TEM Random & Ultra-fast Precession ED Tomography for analysis of nm crystals. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C371-C371.	0.0	1
81	Lipid-modified dendrimers as a tool for the design of nanoparticle-based multimodal MRI contrast agents. , 2014, , .		0
82	The high-pressure stability of chlorite and other hydrates in subduction mantles: experiments in the system Cr <sub>2</sub> O <sub>3</sub> -MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -H <sub>2</sub> O. Contributions To Mineralogy and Petrology, 2014, 167, 1.	1.2	27
83	An Advanced Lithium-Ion Battery Based on a Graphene Anode and a Lithium Iron Phosphate Cathode. Nano Letters, 2014, 14, 4901-4906.	4.5	402
84	Texture and Phase Recognition Analysis of <sup>129</sup> Xe-Doped NaYF <sub>4</sub> Nanocrystals. Journal of Physical Chemistry C, 2014, 118, 11404-11408.	1.5	9
85	Cytocompatibility evaluation of gum Arabic-coated ultra-pure boron nitride nanotubes on human cells. Nanomedicine, 2014, 9, 773-788.	1.7	61
86	Surface functionalisation regulates polyamidoamine dendrimer toxicity on blood-brain barrier cells and the modulation of key inflammatory receptors on microglia. Nanotoxicology, 2014, 8, 158-168.	1.6	34
87	Growth of defect-free GaP nanowires. Nanotechnology, 2014, 25, 205601.	1.3	32
88	Fluoride crystals: materials for near-infrared solid state lasers. , 2013, , .		3
89	Orientation and phase mapping in the transmission electron microscope using precession-assisted diffraction spot recognition: state-of-the-art results. Journal of Microscopy, 2013, 252, 23-34.	0.8	124
90	Electronic band structure of wurtzite GaP nanowires via temperature dependent resonance Raman spectroscopy. Applied Physics Letters, 2013, 103, 023108.	1.5	20

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91	Internal field induced enhancement and effect of resonance in Raman scattering of InAs nanowires. Solid State Communications, 2013, 160, 26-31.	0.9	5
92	Water Dispersal and Functionalization of Hydrophobic Iron Oxide Nanoparticles with Lipid-Modified Poly(amidoamine) Dendrimers. Langmuir, 2013, 29, 10973-10979.	1.6	24
93	Cytocompatibility evaluation of glycol-chitosan coated boron nitride nanotubes in human endothelial cells. Colloids and Surfaces B: Biointerfaces, 2013, 111, 142-149.	2.5	45
94	Effects of Cerium Oxide Nanoparticles on PC12 Neuronal-Like Cells: Proliferation, Differentiation, and Dopamine Secretion. Pharmaceutical Research, 2013, 30, 2133-2145.	1.7	90
95	Crystal Phase Induced Bandgap Modifications in AlAs Nanowires Probed by Resonant Raman Spectroscopy. ACS Nano, 2013, 7, 1400-1407.	7.3	21
96	Suppression of lateral growth in InAs/InAsSb heterostructured nanowires. Journal of Crystal Growth, 2013, 366, 8-14.	0.7	19
97	Eu Incorporation into Sol-Gel Silica for Photonic Applications: Spectroscopic and TEM Evidences of Î±-Quartz and Eu Pyrosilicate Nanocrystal Growth. Journal of Physical Chemistry C, 2013, 117, 26831-26848.	1.5	12
98	Scanning reciprocal space for solving unknown structures: energy filtered diffraction tomography and rotation diffraction tomography methods. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, 51-58.	0.4	80
99	Airborne Concentrations of Chrysotile Asbestos in Serpentine Quarries and Stone Processing Facilities in Valmalenco, Italy. Annals of Occupational Hygiene, 2012, 56, 671-83.	1.9	11
100	Structures of dolomite at ultrahigh pressure and their influence on the deep carbon cycle. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13509-13514.	3.3	89
101	Synthesis and characterization of new barium titanate core-gold shell nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 415, 247-254.	2.3	10
102	Growth of InAs/InAsSb heterostructured nanowires. Nanotechnology, 2012, 23, 115606.	1.3	48
103	Structure of the new mineral sarrabusite, Pb <sub>5</sub> CuCl <sub>4</sub> (SeO <sub>3</sub> ) <sub>4</sub> , solved by manual electron-diffraction tomography. Acta Crystallographica Section B: Structural Science, 2012, 68, 15-23.	1.8	36
104	Raman sensitivity to crystal structure in InAs nanowires. Applied Physics Letters, 2012, 100, .	1.5	20
105	The thermoelastic behavior of clintonite up to 10 GPa and 1,000 °C. Physics and Chemistry of Minerals, 2012, 39, 385-397.	0.3	4
106	ECS-3: A Crystalline Hybrid Organic-Inorganic Aluminosilicate with Open Porosity. Angewandte Chemie - International Edition, 2012, 51, 666-669.	7.2	61
107	A new hydrous Al-bearing pyroxene as a water carrier in subduction zones. Earth and Planetary Science Letters, 2011, 310, 422-428.	1.8	32
108	Synthesis, crystal structure and physico-chemical properties of the new quaternary oxide Sr <sub>5</sub> BiNi <sub>2</sub> O <sub>9.6</sub> . Journal of Solid State Chemistry, 2011, 184, 3262-3268.	1.4	5

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109	Quantitative texture analysis from powder-like electron diffraction data. <i>Journal of Applied Crystallography</i> , 2011, 44, 454-461.	1.9	9
110	Direct space structure solution from precession electron diffraction data: Resolving heavy and light scatterers in Pb <sub>13</sub> Mn <sub>9</sub> O <sub>25</sub> . <i>Ultramicroscopy</i> , 2010, 110, 881-890.	0.8	26
111	Structure solution of the new titanate Li <sub>4</sub> Ti <sub>8</sub> Ni <sub>3</sub> O <sub>21</sub> using precession electron diffraction. <i>Acta Crystallographica Section B: Structural Science</i> , 2010, 66, 60-68.	1.8	29
112	Fe <sup>3+</sup> spin transition in CaFe <sub>2</sub> O <sub>4</sub> at high pressure. <i>American Mineralogist</i> , 2010, 95, 200-203.	0.9	44
113	Solving Unknown Complex Oxide Structures by Precession Electron Diffraction: AgCoO <sub>2</sub> , PbMnO <sub>2.75</sub> and LiTi <sub>1.5</sub> Ni <sub>0.5</sub> O <sub>4</sub> . <i>Materials Research Society Symposia Proceedings</i> , 2009, 1184, 51.	0.1	1
114	Nanostructures and microinfrared behavior of black opal from Gracias, Honduras. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2009, 186, 11-20.	0.1	3
115	High-pressure behavior of akermanite and gehlenite and phase stability of the normal structure in melilites. <i>American Mineralogist</i> , 2009, 94, 704-709.	0.9	20
116	High-temperature behaviour of melilite: in situ X-ray diffraction study of gehlenite-akermanite-Na melilite solid solution. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 147-155.	0.3	32
117	Thermal expansion and dehydroxylation of phengite micas. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 367-379.	0.3	19
118	Non-ideality and defectivity of the akermanite-gehlenite solid solution: An X-ray diffraction and TEM study. <i>American Mineralogist</i> , 2007, 92, 1685-1694.	0.9	25
119	Preparation and crystal structure of nanocrystalline RuZn <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2007, 427, 300-304.	2.8	3
120	Structure solution with three-dimensional sets of precessed electron diffraction intensities. <i>Ultramicroscopy</i> , 2007, 107, 483-494.	0.8	64
121	Thermal expansion and phase transitions in akermanite and gehlenite. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 189-196.	0.3	35
122	In situ simultaneous synchrotron powder diffraction and mass spectrometry study of methane anaerobic combustion on iron-oxide-based oxygen carrier. <i>Journal of Applied Crystallography</i> , 2005, 38, 353-360.	1.9	14
123	Synthesis, properties and structure determination of from neutron and synchrotron X-ray powder diffraction data. <i>Journal of Solid State Chemistry</i> , 2004, 177, 1738-1745.	1.4	12
124	Chemical analyses of Bronze Age glasses from Frattesina di Rovigo, Northern Italy. <i>Journal of Archaeological Science</i> , 2004, 31, 1175-1184.	1.2	96
125	Structure of Ti <sub>2</sub> P solved by three-dimensional electron diffraction data collected with the precession technique and high-resolution electron microscopy. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2003, 59, 117-126.	0.3	71
126	Phase transformations and reaction kinetics during the temperature-induced oxidation of natural olivine. <i>American Mineralogist</i> , 2003, 88, 1560-1574.	0.9	25



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127	Neutron diffraction study of $\text{Yt-Bi}_8\text{Pb}_5\text{O}_{17}$ : structure refinement and analysis of cationic ordering. Acta Crystallographica Section B: Structural Science, 2001, 57, 237-243.	1.8	6
128	Fermi Surface and Magnetic Structure of $\text{TmGa}_3$ . Physical Review Letters, 2001, 86, 4616-4619.	2.9	25
129	Structure determination of $\text{Yt-Bi}_8\text{Pb}_5\text{O}_{17}$ by electron and powder X-ray diffraction. Ultramicroscopy, 2000, 84, 133-142.	0.8	22
130	QED V 1.0: a software package for quantitative electron diffraction data treatment. Ultramicroscopy, 2000, 81, 57-65.	0.8	28
131	Plasma-enhanced chemical vapour deposition of microcrystalline silicon: On the dynamics of the amorphous-microcrystalline interface by optical methods. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 459-473.	0.6	13
132	Structural Properties and Thermal Stability of $\text{Bi}_8\text{Pb}_5\text{O}_{17}$ Fast Ion Conducting Phases. Journal of Solid State Chemistry, 1999, 144, 255-262.	1.4	6
133	Precession Electron Diffraction Assisted Orientation Mapping in the Transmission Electron Microscope. Materials Science Forum, 0, 644, 1-7.	0.3	62