

# Mauro Gemmi

## List of Publications by Year in descending order

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133  
papers

25,159  
citations

126708

33  
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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	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
2	An Advanced Lithium-Ion Battery Based on a Graphene Anode and a Lithium Iron Phosphate Cathode. <i>Nano Letters</i> , 2014, 14, 4901-4906.	4.5	402
3	3D Electron Diffraction: The Nanocrystallography Revolution. <i>ACS Central Science</i> , 2019, 5, 1315-1329.	5.3	286
4	Fast electron diffraction tomography. <i>Journal of Applied Crystallography</i> , 2015, 48, 718-727.	1.9	134
5	Graphene-based large area dye-sensitized solar cell modules. <i>Nanoscale</i> , 2016, 8, 5368-5378.	2.8	132
6	Orientation and phase mapping in the transmission electron microscope using precession-assisted diffraction spot recognition: state-of-the-art results. <i>Journal of Microscopy</i> , 2013, 252, 23-34.	0.8	124
7	Structure refinement using precession electron diffraction tomography and dynamical diffraction: tests on experimental data. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 740-751.	0.5	115
8	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
9	Effects of Cerium Oxide Nanoparticles on PC12 Neuronal-Like Cells: Proliferation, Differentiation, and Dopamine Secretion. <i>Pharmaceutical Research</i> , 2013, 30, 2133-2145.	1.7	90
10	Structures of dolomite at ultrahigh pressure and their influence on the deep carbon cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13509-13514.	3.3	89
11	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
12	Scanning reciprocal space for solving unknown structures: energy filtered diffraction tomography and rotation diffraction tomography methods. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2013, 228, 51-58.	0.4	80
13	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
14	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
15	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
16	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
17	Functionalized Graphene as an Electron-Cascade Acceptor for Air-Processed Organic Ternary Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 3870-3880.	7.8	67
18	Structure solution with three-dimensional sets of precessed electron diffraction intensities. <i>Ultramicroscopy</i> , 2007, 107, 483-494.	0.8	64

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19	Precession Electron Diffraction Assisted Orientation Mapping in the Transmission Electron Microscope. <i>Materials Science Forum</i> , 0, 644, 1-7.	0.3	62
20	ECSâ€³: A Crystalline Hybrid Organicâ€“Inorganic Aluminosilicate with Open Porosity. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 666-669.	7.2	61
21	Cytocompatibility evaluation of gum Arabic-coated ultra-pure boron nitride nanotubes on human cells. <i>Nanomedicine</i> , 2014, 9, 773-788.	1.7	61
22	3D electron diffraction techniques. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 495-504.	0.5	56
23	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
24	Cerium oxide nanoparticles: the regenerative redox machine in bioenergetic imbalance. <i>Nanomedicine</i> , 2017, 12, 403-416.	1.7	49
25	Growth of InAs/InAsSb heterostructured nanowires. <i>Nanotechnology</i> , 2012, 23, 115606.	1.3	48
26	Cytocompatibility evaluation of glycol-chitosan coated boron nitride nanotubes in human endothelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 142-149.	2.5	45
27	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
28	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
29	Rapid and catalyst-free van der Waals epitaxy of graphene on hexagonal boron nitride. <i>Carbon</i> , 2016, 96, 497-502.	5.4	43
30	Dolomite-IV: Candidate structure for a carbonate in the Earthâ€™s lower mantle. <i>American Mineralogist</i> , 2017, 102, 1763-1766.	0.9	42
31	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. <i>Acta Crystallographica Section B: Structural Science</i> , 2012, 68, 15-23.	1.8	36
32	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
33	Crystalline Curcumin bioMOF Obtained by Precipitation in Supercritical CO <sub>2</sub> and Structural Determination by Electron Diffraction Tomography. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12309-12319.	3.2	36
34	Thermal expansion and phase transitions in Åkermanite and gehlenite. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 189-196.	0.3	35
35	Surface functionalisation regulates polyamidoamine dendrimer toxicity on bloodâ€“brain barrier cells and the modulation of key inflammatory receptors on microglia. <i>Nanotoxicology</i> , 2014, 8, 158-168.	1.6	34
36	Ionic Strength Responsive Sulfonated Polystyrene Opals. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4818-4827.	4.0	34

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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	Nanocrystals of Lead Chalcogenides: A Series of Kinetically Trapped Metastable Nanostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 10198-10211.	6.6	34
39	Conducting Shrinkable Nanocomposite Based on Au-Nanoparticle Implanted Plastic Sheet: Tunable Thermally Induced Surface Wrinkling. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7060-7065.	4.0	33
40	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
41	A new hydrous Al-bearing pyroxene as a water carrier in subduction zones. <i>Earth and Planetary Science Letters</i> , 2011, 310, 422-428.	1.8	32
42	Growth of defect-free GaP nanowires. <i>Nanotechnology</i> , 2014, 25, 205601.	1.3	32
43	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
44	Structure solution of the new titanate $\text{Li}_4\text{Ti}_8\text{Ni}_3\text{O}_{21}$ using precession electron diffraction. <i>Acta Crystallographica Section B: Structural Science</i> , 2010, 66, 60-68.	1.8	29
45	Catalyst-free growth of InAs nanowires on Si (111) by CBE. <i>Nanotechnology</i> , 2015, 26, 415604.	1.3	29
46	QED V 1.0: a software package for quantitative electron diffraction data treatment. <i>Ultramicroscopy</i> , 2000, 81, 57-65.	0.8	28
47	A nanocrystalline monoclinic $\text{CaCO}_3$ precursor of metastable aragonite. <i>Science Advances</i> , 2018, 4, eaau6178.	4.7	28
48	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
49	The high-pressure stability of chlorite and other hydrates in subduction magmas: experiments in the system $\text{Cr}_2\text{O}_3\text{-MgO-Al}_2\text{O}_3\text{-SiO}_2\text{-H}_2\text{O}$ . <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	1.2	27
50	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
51	Direct space structure solution from precession electron diffraction data: Resolving heavy and light scatterers in $\text{Pb}_{13}\text{Mn}_9\text{O}_{25}$ . <i>Ultramicroscopy</i> , 2010, 110, 881-890.	0.8	26
52	Fermi Surface and Magnetic Structure of $\text{TmGa}_3$ . <i>Physical Review Letters</i> , 2001, 86, 4616-4619.	2.9	25
53	Phase transformations and reaction kinetics during the temperature-induced oxidation of natural olivine. <i>American Mineralogist</i> , 2003, 88, 1560-1574.	0.9	25
54	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

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55	<i>Ab Initio</i> Structure Determination of Cu <sub>2</sub> Te Plasmonic Nanocrystals by Precession-Assisted Electron Diffraction Tomography and HAADF-STEM Imaging. <i>Inorganic Chemistry</i> , 2018, 57, 10241-10248.	1.9	25
56	Water Dispersal and Functionalization of Hydrophobic Iron Oxide Nanoparticles with Lipid-Modified Poly(amidoamine) Dendrimers. <i>Langmuir</i> , 2013, 29, 10973-10979.	1.6	24
57	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
58	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
59	Structure determination of $\text{Ti-Bi}_8\text{Pb}_5\text{O}_{17}$ by electron and powder X-ray diffraction. <i>Ultramicroscopy</i> , 2000, 84, 133-142.	0.8	22
60	Crystal Phase Induced Bandgap Modifications in AlAs Nanowires Probed by Resonant Raman Spectroscopy. <i>ACS Nano</i> , 2013, 7, 1400-1407.	7.3	21
61	Nucleation and growth mechanism of self-catalyzed InAs nanowires on silicon. <i>Nanotechnology</i> , 2016, 27, 255601.	1.3	21
62	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
63	Raman sensitivity to crystal structure in InAs nanowires. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	20
64	Electronic band structure of wurtzite GaP nanowires via temperature dependent resonance Raman spectroscopy. <i>Applied Physics Letters</i> , 2013, 103, 023108.	1.5	20
65	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
66	Two new minerals, badengzhuite, TiP, and zhiqinite, $\text{TiSi}_2$ , 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
67	Thermal expansion and dehydroxylation of phengite micas. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 367-379.	0.3	19
68	Suppression of lateral growth in InAs/InAsSb heterostructured nanowires. <i>Journal of Crystal Growth</i> , 2013, 366, 8-14.	0.7	19
69	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
70	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
71	The $\text{MnCO}_3$ -II high-pressure polymorph of rhodocrosite. <i>American Mineralogist</i> , 2015, 100, 2625-2629.	0.9	17
72	$\text{Cs}_3\text{Cu}_4\text{In}_2\text{Cl}_{13}$ Nanocrystals: A Perovskite-Related Structure with Inorganic Clusters at A Sites. <i>Inorganic Chemistry</i> , 2020, 59, 548-554.	1.9	16

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73	Uranium-free X solution: a new generation contrast agent for biological samples ultrastructure. <i>Scientific Reports</i> , 2020, 10, 11540.	1.6	16
74	Halide perovskites as disposable epitaxial templates for the phase-selective synthesis of lead sulfochloride nanocrystals. <i>Nature Communications</i> , 2022, 13, .	5.8	16
75	Confined Polymerization in Highly Ordered Mesoporous Organosilicas. <i>Chemistry - A European Journal</i> , 2015, 21, 18209-18217.	1.7	15
76	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
77	Structure determination, thermal stability and dissolution rate of Î-indomethacin. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121067.	2.6	15
78	In situsimultaneous 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
79	Plasma-enhanced chemical vapour deposition of microcrystalline silicon: On the dynamics of the amorphous-microcrystalline interface by optical methods. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2000, 80, 459-473.	0.6	13
80	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
81	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
82	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
83	Eu Incorporation into Solâ€“Gel Silica for Photonic Applications: Spectroscopic and TEM Evidences of Î±-Quartz and Eu Pyrosilicate Nanocrystal Growth. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26831-26848.	1.5	12
84	Strain-induced band alignment in wurtzite/zinc-blende InAs heterostructured nanowires. <i>Physical Review B</i> , 2015, 92, .	1.1	12
85	$(\text{Na},\text{â€“})_5[\text{MnO}_2]_{13}$ 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
86	Chiral ionic liquid assisted synthesis of some metal oxides. <i>RSC Advances</i> , 2017, 7, 1154-1160.	1.7	12
87	Airborne Concentrations of Chrysotile Asbestos in Serpentine Quarries and Stone Processing Facilities in Valmalenco, Italy. <i>Annals of Occupational Hygiene</i> , 2012, 56, 671-83.	1.9	11
88	The Crystal Structure of Orthocetamol Solved by 3D Electron Diffraction. <i>Angewandte Chemie</i> , 2019, 131, 11035-11038.	1.6	11
89	Covalent organic functionalization of graphene nanosheets and reduced graphene oxide <i>via</i> 1,3-dipolar cycloaddition of azomethine ylide. <i>Nanoscale Advances</i> , 2021, 3, 5841-5852.	2.2	11
90	Synthesis and characterization of new barium titanate coreâ€“gold shell nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 247-254.	2.3	10

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91	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
92	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
93	Crystal Structure of Linagliptin Hemihydrate Hemimethanolate (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
94	3D Electron Diffraction Structure Determination of Terrylene, a Promising Candidate for Intermolecular Singlet Fission. <i>ChemPhysChem</i> , 2021, 22, 1631-1637.	1.0	10
95	Quantitative texture analysis from powder-like electron diffraction data. <i>Journal of Applied Crystallography</i> , 2011, 44, 454-461.	1.9	9
96	Texture and Phase Recognition Analysis of $\text{F}^2\text{-NaYF}_4$ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11404-11408.	1.5	9
97	$\text{Pr}^{3+}:\text{BaY}_2\text{F}_8$ Crystal Nanoparticles (24 nm) Produced by High-Energy Ball Milling: Spectroscopic Characterization and Comparison with Bulk Properties. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2844-2851.	1.5	9
98	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
99	Color Differences Highlight Concomitant Polymorphism of Chalcones. <i>Crystal Growth and Design</i> , 2020, 20, 6346-6355.	1.4	9
100	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
101	The structure of kaliophilite $\text{KAlSiO}_4$ , a long-lasting crystallographic problem. <i>IUCr</i> , 2020, 7, 1070-1083.	1.0	9
102	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
103	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
104	Structural Properties and Thermal Stability of Bi <sub>8</sub> Pb <sub>5</sub> O <sub>17</sub> Fast Ion Conducting Phases. <i>Journal of Solid State Chemistry</i> , 1999, 144, 255-262.	1.4	6
105	Neutron diffraction study of $\text{F}^2\text{-Bi}_8\text{Pb}_5\text{O}_{17}$ : structure refinement and analysis of cationic ordering. <i>Acta Crystallographica Section B: Structural Science</i> , 2001, 57, 237-243.	1.8	6
106	$\langle \text{scp} \rangle$ 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
107	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> . <i>Journal of Solid State Chemistry</i> , 2011, 184, 3262-3268.	1.4	5
108	Internal field induced enhancement and effect of resonance in Raman scattering of InAs nanowires. <i>Solid State Communications</i> , 2013, 160, 26-31.	0.9	5

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109	Type II band alignment in InAs zinc-blende/wurtzite heterostructured nanowires. <i>Nanotechnology</i> , 2016, 27, 415201.	1.3	5
110	Daliranite, $\text{PbHgAs}_2\text{S}_5$ : 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
111	Heterogeneity of nano-sized zeolite crystals. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109897.	2.2	5
112	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
113	The thermoelastic behavior of clintonite up to 10 ÅGPa and 1,000 Å°C. <i>Physics and Chemistry of Minerals</i> , 2012, 39, 385-397.	0.3	4
114	Mapping of axial strain in InAs/InSb heterostructured nanowires. <i>Applied Physics Letters</i> , 2015, 107, 093103.	1.5	4
115	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
116	The Effect of the Starting Mineralogical Mixture on the Nature of Fe-Serpentines Obtained during Hydrothermal Synthesis AT 90 Å°C. <i>Clays and Clay Minerals</i> , 2020, 68, 394-412.	0.6	4
117	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
118	Preparation and crystal structure of nanocrystalline RuZn <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2007, 427, 300-304.	2.8	3
119	Nanostructures and microinfrared behavior of black opal from Gracias, Honduras. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2009, 186, 11-20.	0.1	3
120	Fluoride crystals: materials for near-infrared solid state lasers. , 2013, , .		3
121	An experimental and computational study into the crystallisation propensity of 2nd generation sulflower. <i>Chemical Communications</i> , 2019, 55, 14586-14589.	2.2	3
122	Optical properties of boron nitride nanotubes: potential exploitation in nanomedicine. , 2016, , 139-147.		2
123	Design and Synthesis of Ionic Liquid-Based Matrix Metalloproteinase Inhibitors (MMPis): A Simple Approach to Increase Hydrophilicity and to Develop MMPi-Coated Gold Nanoparticles. <i>ChemMedChem</i> , 2019, 14, 686-698.	1.6	2
124	Extended $d$ -orbital molecules and magnetic phase separation in $\text{Bi}_0.68\text{Ca}_0.32\text{MnO}_3$ . <i>Physical Review B</i> , 2021, 103, .	1.1	2
125	3D electron diffraction study of terrestrial iron oxide alteration in the Mineo pallasite. <i>Mineralogical Magazine</i> , 2022, 86, 272-281.	0.6	2
126	Solving Unknown Complex Oxide Structures by Precession Electron Diffraction: $\text{AgCoO}_2$ , $\text{PbMnO}_{2.75}$ and $\text{LiTi}_{1.5}\text{Ni}_{0.5}\text{O}_4$ . <i>Materials Research Society Symposia Proceedings</i> , 2009, 1184, 51.	0.1	1



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127	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
128	Two New Organic Co-Crystals Based on Acetamidophenol Molecules. Symmetry, 2022, 14, 431.	1.1	1
129	Supramolecular Isomerism in Cobalt(II) Coordination Polymers Built from 3,5-Bis(trifluoromethyl)benzoate and 4,4'-Bipyridine. Crystal Growth and Design, 2022, 22, 4463-4471.	1.4	1
130	Lipid-modified dendrimers as a tool for the design of nanoparticle-based multimodal MRI contrast agents. , 2014, , .		0
131	A New Method Based on Electron Diffraction for Detecting Nanoparticles in Injectable Medicines. Journal of Pharmaceutical Sciences, 2020, 109, 891-899.	1.6	0
132	Structural study of decrespignyite-(Y), a complex yttrium rare earth copper carbonate chloride, by three-dimensional electron and synchrotron powder diffraction. European Journal of Mineralogy, 2020, 32, 545-555.	0.4	0
133	Hybrid improper dipolar density wave in $\text{NaLaCoWO}_6$ . Physical Review Materials, 2022, 6, .		0