

Philippe H Thomas

List of Publications by Year in descending order

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154
papers

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136885

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all docs

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium phosphate apatites with variable Ca/P atomic ratio I. Synthesis, characterisation and thermal stability of powders. <i>Biomaterials</i> , 2002, 23, 1065-1072.	5.7	663
2	Crystal structure, Raman spectrum and lattice dynamics of a new metastable form of tellurium dioxide: $\hat{\Gamma}^3$ -TeO ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 2000, 61, 1499-1507.	1.9	186
3	Dynamics and structure of TeO ₂ polymorphs: model treatment of paratellurite and tellurite; Raman scattering evidence for new $\hat{\Gamma}^3$ - and $\hat{\Gamma}^1$ -phases. <i>Journal of Physics and Chemistry of Solids</i> , 2000, 61, 501-509.	1.9	151
4	Vibrational and structural properties of glass and crystalline phases of TeO ₂ . <i>Journal of Non-Crystalline Solids</i> , 2003, 330, 50-60.	1.5	117
5	Thermal characteristics, Raman spectra and structural properties of new tellurite glasses within the Bi ₂ O ₃ -TiO ₂ -TeO ₂ system. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3252-3259.	1.4	107
6	Diffusion Path and Conduction Mechanism of Oxide Ions in Apatite-Type Lanthanum Silicates. <i>Chemistry of Materials</i> , 2009, 21, 2508-2517.	3.2	105
7	Glass Structure and Optical Nonlinearities in Thallium(I) Tellurium(IV) Oxide Glasses. <i>Journal of Solid State Chemistry</i> , 1999, 146, 329-335.	1.4	98
8	New investigations within the TeO ₂ -WO ₃ system: phase equilibrium diagram and glass crystallization. <i>Journal of Materials Science</i> , 1999, 34, 4285-4292.	1.7	90
9	Ab initio study of the nonlinear optical susceptibility of TeO ₂ -based glasses. <i>Physical Review B</i> , 2006, 73, .	1.1	77
10	Synthesis of lanthanum silicate oxyapatite materials as a solid oxide fuel cell electrolyte. <i>Journal of the European Ceramic Society</i> , 2008, 28, 2717-2724.	2.8	64
11	Nonlinear optical properties and glass structure for MO-Nb ₂ O ₅ -TeO ₂ (M=Zn, Mg, Ca, Sr, Ba) glasses. <i>Optical Materials</i> , 2010, 32, 448-455.	1.7	63
12	Atomistic simulations of TeO ₂ -based glasses: interatomic potentials and molecular dynamics. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14150-14160.	1.3	60
13	A Comprehensive Study of the Carbon Contamination in Tellurite Glasses and Glass-Ceramics Sintered by Spark Plasma Sintering (SPS). <i>Journal of the American Ceramic Society</i> , 2014, 97, 163-172.	1.9	59
14	Oxide-Ion Conductivity of Highly <i>c</i> -Axis-Oriented Apatite-Type Lanthanum Silicate Polycrystal Formed by Reactive Diffusion between La ₂ Si ₅ O ₇ and La ₂ Si ₂ O ₇ . <i>Chemistry of Materials</i> , 2011, 23, 5474-5483.	3.2	57
15	Optical properties of tellurite glasses elaborated within the TeO ₂ -Ti ₂ O ₃ -Ag ₂ O and TeO ₂ -ZnO-Ag ₂ O ternary systems. <i>Journal of Alloys and Compounds</i> , 2013, 561, 151-160.	2.8	49
16	Structural and dielectric study of the Na _{0.5} Bi _{0.5} TiO ₃ -PbTiO ₃ and K _{0.5} Bi _{0.5} TiO ₃ -PbTiO ₃ systems. <i>Journal of Materials Chemistry</i> , 1997, 7, 91-97.	6.7	48
17	Raman gain measurements of thallium-tellurium oxide glasses. <i>Optics Express</i> , 2005, 13, 1144.	1.7	48
18	Scalable and Formable Tellurite-Based Transparent Ceramics for Near Infrared Applications. <i>Advanced Optical Materials</i> , 2016, 4, 1482-1486.	3.6	46

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19	Crystal Structure and Oxide-Ion Conductivity along <i>c</i> -Axis of Apatite-Type Lanthanum Silicate with Excess Oxide Ions. Chemistry of Materials, 2012, 24, 4623-4631.	3.2	45
20	New heavy metal oxide glasses: investigations within the TeO ₂ -Nb ₂ O ₅ -Bi ₂ O ₃ system. Journal of Alloys and Compounds, 2002, 347, 206-212.	2.8	43
21	Localized hyperpolarizability approach to the origin of nonlinear optical properties in TeO ₂ -based materials. Physical Review B, 2004, 70, .	1.1	43
22	Crystal Structure and Oxide-Ion Conductivity along <i>c</i> -Axis of Si-Deficient Apatite-Type Lanthanum Silicate. Chemistry of Materials, 2013, 25, 2154-2162.	3.2	42
23	Thermal, optical and structural properties of glasses within the TeO ₂ TiO ₂ ZnO system. Journal of Alloys and Compounds, 2015, 622, 333-340.	2.8	41
24	Anisotropy of oxide-ion conduction in apatite-type lanthanum silicate. Solid State Ionics, 2012, 217, 40-45.	1.3	40
25	Structural change of oxide-ion-conducting lanthanum silicate on heating from 295 to 1073 K. Solid State Ionics, 2007, 178, 1523-1529.	1.3	38
26	The role of modifier cation valence in structural properties of TeO ₂ -based glasses. Journal of Non-Crystalline Solids, 2008, 354, 143-149.	1.5	37
27	New Transparent Glass-Ceramics Based on the Crystallization of Anti-glass Spherulites in the Bi ₂ O ₃ -Nb ₂ O ₅ -TeO ₂ System. Crystal Growth and Design, 2015, 15, 5086-5096.	1.4	37
28	Second harmonic generation of thermally poled tungsten tellurite glass. Optical Materials, 2009, 31, 775-780.	1.7	35
29	Equilibrium and non-equilibrium phase diagram within the TeO ₂ -rich part of the TeO ₂ -Nb ₂ O ₅ system. Journal of Materials Chemistry, 1999, 9, 1785-1788.	6.7	34
30	Structural, mechanical and optical investigations in the TeO ₂ -rich part of the TeO ₂ -GeO ₂ -ZnO ternary glass system. Solid State Sciences, 2015, 40, 20-30.	1.5	34
31	Dynamics and crystal chemistry of tellurites. II. Composition- and temperature-dependence of the Raman spectra of x(Tl ₂ O)+(1-x) Te ₂ O glasses: evidence for a phase separation?. Journal of Physics and Chemistry of Solids, 2004, 65, 981-993.	1.9	32
32	Structural peculiarities and Raman spectra of TeO ₂ /WO ₃ -based glasses: A fresh look at the problem. Journal of Solid State Chemistry, 2012, 190, 45-51.	1.4	32
33	Impact of tellurite-based glass structure on Raman gain. Chemical Physics Letters, 2012, 554, 123-127.	1.2	31
34	Crystal structure of a new gallium tellurite: Ga ₂ Te ₄ O ₁₁ . Solid State Sciences, 2001, 3, 423-431.	1.5	30
35	Hyper-Raman and Raman scattering in paratellurite TeO ₂ . Journal of Raman Spectroscopy, 2013, 44, 739-745.	1.2	28
36	Phase transformation of Ca ₄ [Al ₆ O ₁₂]SO ₄ and its disordered crystal structure at 1073K. Journal of Solid State Chemistry, 2014, 215, 265-270.	1.4	28

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37	Sol-gel processing of TeO ₂ thin films from citric acid stabilised tellurium isopropoxide precursor. Journal of the European Ceramic Society, 2007, 27, 1151-1158.	2.8	27
38	Theoretical study of the polymer molecules (TeO ₂) _n as model systems for the local structure in TeO ₂ glass. Journal of Non-Crystalline Solids, 2004, 345-346, 734-737.	1.5	26
39	Local molecular orbitals and hyper-susceptibility of TeO ₂ glass. Journal of Non-Crystalline Solids, 2008, 354, 199-202.	1.5	26
40	Nd ³⁺ -doped transparent tellurite ceramics bulk lasers. Scientific Reports, 2018, 8, 4640.	1.6	26
41	Formation domain and characterization of new glasses within the Ti ₂ O ₃ -TiO ₂ -TeO ₂ system. Materials Research Bulletin, 2009, 44, 248-253.	2.7	25
42	Formation of celsian from mechanically activated BaCO ₃ -Al ₂ O ₃ -SiO ₂ mixtures. Journal of Alloys and Compounds, 1999, 290, 230-235.	2.8	24
43	Ab initio study of the polymer molecules (TeO ₂) _n as model systems for the local structure in TeO ₂ glass. Physical Review B, 2003, 68, .	1.1	24
44	Combined Effect of Germanium Doping and Grain Alignment on Oxide-Ion Conductivity of Apatite-Type Lanthanum Silicate Polycrystal. Chemistry of Materials, 2012, 24, 2611-2618.	3.2	24
45	Crystal structure of Nb ₂ Te ₄ O ₁₃ . Journal of Alloys and Compounds, 2000, 306, 175-185.	2.8	22
46	Sol-gel synthesis of TeO ₂ -based materials using citric acid as hydrolysis modifier. Journal of Sol-Gel Science and Technology, 2007, 41, 79-86.	1.1	22
47	Nonlinear optical properties of TeO ₂ crystalline phases from first principles. Physical Review B, 2011, 83, .	1.1	22
48	Synthesis, thermal, structural and linear optical properties of new glasses within the TeO ₂ -TiO ₂ -WO ₃ system. Journal of Non-Crystalline Solids, 2018, 484, 139-148.	1.5	22
49	Raman and crystallization behaviors of TeO ₂ -Sb ₂ O ₄ glasses. Journal of Non-Crystalline Solids, 2003, 321, 81-88.	1.5	21
50	Effect of Mg substitution on crystal structure and oxide-ion conductivity of apatite-type lanthanum silicates. Solid State Ionics, 2010, 181, 1024-1032.	1.3	21
51	Dynamics and crystal chemistry of tellurites. Journal of Physics and Chemistry of Solids, 2002, 63, 545-554.	1.9	20
52	Influence of modifier oxides on the structural and optical properties of binary TeO ₂ glasses. Journal of Applied Physics, 2007, 101, 023526.	1.1	20
53	Exact and explicit expression of the atomic pair distribution function as obtained from X-ray total scattering experiments. Journal of Applied Crystallography, 2013, 46, 461-465.	1.9	20
54	Fluorescence line narrowing spectroscopy of Eu ³⁺ in zinc-thallium-tellurite glass. Journal of Solid State Chemistry, 2010, 183, 2714-2719.	1.4	19

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55	Structural investigation of new tellurite glasses belonging to the TeO ₂ -NbO _{2.5} -WO ₃ system, and a study of their linear and nonlinear optical properties. Journal of Non-Crystalline Solids, 2019, 512, 161-173.	1.5	19
56	A comprehensive study of the glass/translucent anti-glass/transparent ceramic structural ordering in the Bi ₂ O ₃ Nb ₂ O ₅ –TeO ₂ system. Acta Materialia, 2020, 189, 73-84.	3.8	19
57	New understanding of TeO ₂ –ZnO–Na ₂ O ternary glass system. Journal of Alloys and Compounds, 2021, 854, 157072.	2.8	19
58	On the structure of the disordered Bi ₂ Te ₄ O ₁₁ phase. Journal of Solid State Chemistry, 2004, 177, 2168-2176.	1.4	18
59	Lanthanum- and Oxygen-Deficient Crystal Structures of Oxide-Ion Conducting Apatite-Type Silicates. Journal of the American Ceramic Society, 2008, 91, 3714-3720.	1.9	18
60	Quantum Mechanical Study of Pre-Dissociation Enhancement of Linear and Nonlinear Polarizabilities of (TeO ₂) _n Oligomers as a Key to Understanding the Remarkable Dielectric Properties of TeO ₂ Glasses. Journal of Physical Chemistry A, 2012, 116, 9361-9369.	1.1	18
61	High-Temperature Elastic Moduli of Flux-Grown GeO ₂ Single Crystal. ChemPhysChem, 2014, 15, 118-125.	1.0	18
62	Lasing effects in new Nd ³⁺ -doped TeO ₂ –Nb ₂ O ₅ –WO ₃ bulk glasses. Optical Materials, 2015, 47, 99-107.	1.7	18
63	Fabrication of SrRuO ₃ powders and thin films by metalorganic decomposition. Journal of Alloys and Compounds, 2000, 308, 77-82.	2.8	17
64	Non-linear optical properties of TeO ₂ -based glasses: ab initio static finite-field and time-dependent calculations. Journal of Non-Crystalline Solids, 2004, 345-346, 730-733.	1.5	17
65	Influence of Hydroxyl Group on IR Transparency of Tellurite-Based Glasses. International Journal of Applied Glass Science, 2014, 5, 178-184.	1.0	17
66	Comparative Analysis of the Electronic Structure and Nonlinear Optical Susceptibility of TeO ₂ and TeO ₃ Crystals. Journal of Physical Chemistry C, 2017, 121, 12365-12374.	1.5	17
67	Powder neutron diffraction study of the thermal expansion of a K-substituted cordierite. Journal of Materials Science, 1989, 24, 3976-3983.	1.7	16
68	Synthesis and structural characterization of CuI and CuII-doped cordierites. Materials Research Bulletin, 1995, 30, 141-148.	2.7	16
69	Crystal structure of BiNbTe ₂ O ₈ . Solid State Sciences, 2000, 2, 223-228.	1.5	16
70	Second Harmonic Generation induced by optical poling in new TeO ₂ –Ti ₂ O–ZnO glasses. Materials Research Bulletin, 2010, 45, 551-557.	2.7	16
71	New glasses within the Ti ₂ O–Ag ₂ O–TeO ₂ system: Thermal characteristics, Raman spectra and structural properties. Materials Research Bulletin, 2010, 45, 1816-1824.	2.7	16
72	Metal oxide doping effects on Raman spectra and third-order nonlinear susceptibilities of thallium–tellurite glasses. Scripta Materialia, 2010, 62, 806-809.	2.6	16

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73	Optical properties of Nd ³⁺ -doped TeO ₂ -TiO ₂ -ZnO glasses with lower hydroxyl content. Journal of Non-Crystalline Solids, 2020, 528, 119678.	1.5	15
74	The TeO ₂ -rich part of the TeO ₂ -Ga ₂ O ₃ system: equilibrium and non-equilibrium phase diagram. Journal of Materials Chemistry, 2002, 12, 2803-2806.	6.7	14
75	Vibrational spectra of rhombohedral TeO ₃ compared to those of ReO ₃ -like proto-phase and TeO ₂ (paratellurite): lattice dynamic and crystal chemistry aspects. Journal of Raman Spectroscopy, 2011, 42, 758-764.	1.2	14
76	New investigations within the TeO ₂ -rich part of the Ti ₂ O ₃ -TeO ₂ system. Journal of Materials Chemistry, 1998, 8, 1039-1042.	6.7	13
77	Preparation and properties of alumina-ceria nano-nano composites. Journal of Materials Science, 1999, 34, 1911-1919.	1.7	13
78	Theoretical Third-Order Hyperpolarizability of Paratellurite from the Finite Field Perturbation Method. Journal of Physical Chemistry B, 2008, 112, 10777-10781.	1.2	13
79	Study of the formation of the apatite-type phases La _{9.33+x} (SiO ₄) ₆ O _{2+3x/2} synthesized from a lanthanum oxycarbonate La ₂ O ₂ CO ₃ . Solid State Sciences, 2014, 38, 150-155.	1.5	13
80	Influence of Al ₂ O ₃ incorporation on the third-order nonlinear optical properties of Ag ₂ O-TeO ₂ glasses. Journal of Non-Crystalline Solids, 2016, 431, 97-102.	1.5	12
81	Raman spectra and structural peculiarities of TeO ₂ -TeO ₃ mixed oxides. Journal of Physics Condensed Matter, 2018, 30, 475403.	0.7	12
82	Crystal structure of Ti ₂ Te ₃ O ₇ . Materials Research Bulletin, 1997, 32, 51-58.	2.7	11
83	Bi ₄ Ti ₃ O ₁₂ thin films from mixed bismuth-titanium alkoxides. Journal of Sol-Gel Science and Technology, 1997, 8, 759-763.	1.1	11
84	Second harmonic generation in optically poled tellurite glasses doped with heavy metal oxides. Journal of Non-Crystalline Solids, 2004, 345-346, 417-421.	1.5	11
85	Sol-gel processing and microstructure of TeO ₂ materials. Journal of Non-Crystalline Solids, 2004, 345-346, 634-638.	1.5	11
86	New oxyfluorotellurates(IV):MTeO ₃ F (M= FeIII, GaIII and CrIII). Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, i12-i14.	0.4	11
87	Third order nonlinear optical properties of a paratellurite single crystal. Journal of Applied Physics, 2018, 123, .	1.1	11
88	Structures and Third-Order Optical Nonlinearities of BiO _{1.5} -WO ₃ -TeO ₂ Glasses. Journal of the American Ceramic Society, 2011, 94, 1434-1439.	1.9	10
89	Synthesis and structure of transparent zinc-niobate-tellurite glasses with low hydroxyl content. Ceramics International, 2017, 43, 2962-2968.	2.3	10
90	Crystal structures and polymorphism of Sr ₄ [Al ₆ O ₁₂]SO ₄ . Journal of the Ceramic Society of Japan, 2017, 125, 364-370.	0.5	10

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91	Glass formation study in the BiO-TeO-WO system. <i>Annales De Chimie: Science Des Materiaux</i> , 1998, 23, 289-292.	0.2	9
92	Two new types of oxyfluorotellurates(IV): ScTeO ₃ F and InTeO ₃ F. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, i57-i61.	0.4	9
93	Raman and infrared spectra of doped La _{8-x} Sr _{2y} (SiO ₄) ₆ O ₂₊₁ compounds compared to the <i>ab initio</i> obtained spectroscopic characteristics of fully stoichiometric La ₈ Sr ₂ (SiO ₄) ₆ O ₂ . <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1700-1707.	1.2	9
94	Stabilization Effect of Surface Impurities on the Structure of Ultrasmall ZrO ₂ Nanoparticles: An Ab-Initio Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15618-15626.	1.5	9
95	Well-aligned polycrystalline lanthanum silicate oxyapatite grown by reactive diffusion between solid La ₂ SiO ₅ and gases [SiO+1/2O ₂]. <i>Journal of Solid State Chemistry</i> , 2016, 235, 1-6.	1.4	9
96	Structural modifications of lanthanum silicate oxyapatite exposed to high water pressure. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2149-2158.	2.8	9
97	Localization and steric effect of the lone electron pair of the tellurium Te ⁴⁺ cation and other cations of the <i>p</i> -block elements. A systematic study. <i>Journal of Applied Crystallography</i> , 2020, 53, 1243-1251.	1.9	9
98	Powder X-ray diffraction and infrared study of the structural evolution in highly K-doped cordierites. <i>Materials Research Bulletin</i> , 1995, 30, 593-599.	2.7	8
99	Crystal structure of $\hat{\pm}$ -Ti ₂ TeO ₅ . <i>Materials Research Bulletin</i> , 1998, 33, 1709-1716.	2.7	8
100	The Crystal Structure of PbTe ₅ O ₁₁ . <i>Materials Research Bulletin</i> , 2001, 36, 693-703.	2.7	8
101	Phase formation and crystal structure determination in the Y ₂ O ₃ -TeO ₂ system prepared in an oxygen atmosphere. <i>Journal of the European Ceramic Society</i> , 2012, 32, 4263-4269.	2.8	8
102	A new oxyfluorotellurate(IV), InTe ₂ O ₅ F. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 460-462.	0.4	8
103	New KNbTeO ₆ transparent tellurate ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4164-4170.	2.8	8
104	Determination of the Al/Si distribution in synthetic K _x Mg ₂ Al _{4+x} Si ₅ O ₁₈ (0 < x < 1/2) cordierites by ²⁹ Si and ²⁷ Al MAS-NMR spectroscopy. <i>Journal of Materials Science</i> , 1991, 26, 5053-5059.	1.7	7
105	Crystal Structure and Oxide-Ion Conductivity of Highly Grain-Aligned Polycrystalline Lanthanum Germanate Oxyapatite Grown by Reactive Diffusion between Solid La ₂ GeO ₅ and Gases [GeO + 1/2O ₂]. <i>Crystal Growth and Design</i> , 2015, 15, 3435-3441.	1.4	7
106	Structure and analgesic properties of layered double hydroxides intercalated with low amounts of ibuprofen. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2712-2721.	1.9	7
107	Detrimental Effect and Neutralization of <i>in Situ</i> Produced Water on Zirconia Nanoparticles Obtained by a Nonaqueous Sol-Gel Method. <i>Inorganic Chemistry</i> , 2019, 58, 15175-15188.	1.9	7
108	Highly Transparent Fluorotellurite Glass-Ceramics: Structural Investigations and Luminescence Properties. <i>Inorganic Chemistry</i> , 2019, 58, 16387-16401.	1.9	7

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109	Efficient second harmonic generation in $\hat{1}^3$ -TeO ₂ phase. Journal of Materials Science, 2005, 40, 4975-4977.	1.7	6
110	Efficient second harmonic generation in $\hat{1}^3$ -TeO ₂ phase. Journal of Materials Science, 2006, 41, 305-307.	1.7	6
111	Raman spectra and third-order nonlinear optical Z-scan properties of MO-Nb ₂ O ₅ -TeO ₂ (M=Zn, Mg, Ca.) Tj ETQq1 1 0.784314 rgBT / 0.8	0.8	6
112	Raman investigation and glass-compositional dependence on blue up-conversion photoluminescence for Tm ³⁺ /Yb ³⁺ co-doped TeO ₂ -TiO ₂ -ZnO glasses. Optical Materials Express, 2014, 4, 823.	1.6	6
113	Huge susceptibility increase within the (1 $\hat{1}^x$) TeO _{2+x} TeO ₃ crystal system: Ab initio calculation study. Journal of Alloys and Compounds, 2014, 587, 120-125.	2.8	6
114	Local structure and oxide-ion conduction mechanism in apatite-type lanthanum silicates. Science and Technology of Advanced Materials, 2017, 18, 644-653.	2.8	6
115	Extended Duration of Rubidium Vapor in Aluminosilicate Ceramic Coated Hypocycloidal Core Kagome HC-PCF. Journal of Lightwave Technology, 2014, 32, 2486-2491.	2.7	5
116	Correlation between mechanical and structural properties as a function of temperature within the TeO ₂ -TiO ₂ -ZnO ternary system. Journal of Non-Crystalline Solids, 2020, 528, 119716.	1.5	5
117	Sol-gel synthesis, sintering and properties of a potassium-substituted cordierite. Journal of Materials Science Letters, 1989, 8, 52-54.	0.5	4
118	On the condensation mechanism of the dioxides of sixth-group elements: an ab initio approach. Philosophical Magazine Letters, 2007, 87, 979-988.	0.5	4
119	High-temperature (1500 $\hat{1}$...K) reciprocal space mapping on a laboratory X-ray diffractometer. Journal of Applied Crystallography, 2007, 40, 332-337.	1.9	4
120	Dynamic Scaling Properties of TeO ₂ -Based Gels. Langmuir, 2008, 24, 12568-12574.	1.6	4
121	Optical properties and Judd-Ofelt parameters of Sm ³⁺ doped BiO _{1.5} -WO ₃ -TeO ₂ glasses. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2597-2600.	0.8	4
122	Crystal chemistry peculiarities of Cs ₂ Te ₄ O ₁₂ . Journal of Solid State Chemistry, 2011, 184, 637-643.	1.4	4
123	Strong Influences of Melting Time and Tm ³⁺ Concentration on Blue Up $\hat{1}$ Conversion Photoluminescence for Tm ³⁺ /Yb ³⁺ Co $\hat{1}$ Doped TeO ₂ -TiO _{0.5} -ZnO Glass. International Journal of Applied Glass Science, 2015, 6, 83-93.	1.0	4
124	Ground-state atomic polarization relaxation-time measurement of Rb filled hypocycloidal core-shaped Kagome HC-PCF. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 185401.	0.6	4
125	Influence of Nd ³⁺ modifying on 80TeO ₂ -xZnO-(20 $\hat{1}$ x)Na ₂ O ternary glass system. APL Materials, 2021, 9, .	2.2	4
126	Influence of the size of the alkali ion on the thermal expansion of alkali-doped cordierites: A powder neutron diffraction study. Journal of the European Ceramic Society, 1993, 12, 257-265.	2.8	3

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127	Novel method to control initial crystallization of Eu ³⁺ doped ZrO ₂ nanophosphors derived from a Sol-Gel route based on HNO ₃ and their site-selective photoluminescence. Journal of the Ceramic Society of Japan, 2018, 126, 551-556.	0.5	3
128	Measurement of the third order nonlinear susceptibility of paratellurite single crystal using multiplex CARS. AIP Advances, 2019, 9, 105301.	0.6	3
129	Morphology and oxide-ion conductivity of flux grown single crystals of BaO-doped lanthanum silicate oxyapatite. Solid State Ionics, 2020, 346, 115219.	1.3	3
130	A Buckingham interatomic potential for thallium oxide ($Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 642 Td (xmlns:mml="http://w$	1.4	3
131	tellurite glasses. Computational Materials Science, 2022, 201, 110891. High-Temperature Investigation of TeO ₂ -Na ₂ O-ZnO Glasses. Physica Status Solidi (B): Basic Research, 2022, 259, .	0.7	3
132	Glass formation study within the TeO ₂ -TiF and Ti ₂ Te ₃ O ₇ -TiF systems. Comptes Rendus Chimie, 2002, 5, 607-610.	0.2	2
133	GeTe ₂ O ₆ , a germanium tellurate(IV) with an open framework. Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, i23-i26.	0.4	2
134	A computational study of the electronic structure and optical properties of the complex TeO ₂ /TeO ₃ oxides as advanced materials for nonlinear optics. Materials Research Express, 2019, 6, 125903.	0.8	2
135	Solvent effect in the nonaqueous synthesis of ZrO ₂ nanoparticles under alkaline conditions. Journal of Materials Science, 2020, 55, 2802-2814.	1.7	2
136	An enhanced core-shell interatomic potential for Te-O based oxides. Materials Research Express, 2020, 7, 015202.	0.8	2
137	Layered double hydroxide-indomethacin hybrid: A promising biocompatible compound for the treatment of neuroinflammatory diseases. Journal of Drug Delivery Science and Technology, 2021, 61, 102190.	1.4	2
138	Transparent glass-ceramics in the TeO ₂ -InF ₃ system. International Journal of Applied Glass Science, 2022, 13, 568-575.	1.0	2
139	Bi ₄ Ti ₃ O ₁₂ Ferroelectric Thin Films: Morphology and Electrical Characteristics. Journal De Physique III, 1997, 7, 1221-1226.	0.3	1
140	Si mas nmr study of the Al/Si ordering process in potassium doped-cordierites. Annales De Chimie: Science Des Materiaux, 1998, 23, 131-134.	0.2	1
141	The BiWO ₃ -TeO ₃ pseudo binary system. Annales De Chimie: Science Des Materiaux, 1998, 23, 213-216.	0.2	1
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