

# Philippe H Thomas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6430244/publications.pdf>

Version: 2024-02-01

154  
papers

3,951  
citations

136885

32  
h-index

149623

56  
g-index

166  
all docs

166  
docs citations

166  
times ranked

3129  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Buckingham interatomic potential for tellurium oxide ( $Tj_{ETQq1}$ ). <a href="https://doi.org/10.784314/rqBTj/Overlock/10.1101/2022.07.12.496274">DOI: 10.784314/rqBTj/Overlock/10.1101/2022.07.12.496274</a>	1.4	3
2	tellurite glasses. <i>Computational Materials Science</i> , 2022, 201, 110891. Transparent glass-ceramics in the $TeO_2$ - $LnF_3$ system. <i>International Journal of Applied Glass Science</i> , 2022, 13, 568-575.	1.0	2
3	High-Temperature Investigation of $TeO_2$ - $Na_2O$ - $ZnO$ Glasses. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, .	0.7	3
4	New understanding of $TeO_2$ - $ZnO$ - $Na_2O$ ternary glass system. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157072.	2.8	19
5	Layered double hydroxide-indomethacin hybrid: A promising biocompatible compound for the treatment of neuroinflammatory diseases. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102190.	1.4	2
6	Influence of $Nd^{3+}$ modifying on $80TeO_2$ - $xZnO$ - $(20-x)Na_2O$ ternary glass system. <i>APL Materials</i> , 2021, 9, .	2.2	4
7	Correlation between mechanical and structural properties as a function of temperature within the $TeO_2$ - $TiO_2$ - $ZnO$ ternary system. <i>Journal of Non-Crystalline Solids</i> , 2020, 528, 119716.	1.5	5
8	Solvent effect in the nonaqueous synthesis of $ZrO_2$ nanoparticles under alkaline conditions. <i>Journal of Materials Science</i> , 2020, 55, 2802-2814.	1.7	2
9	Optical properties of $Nd^{3+}$ -doped $TeO_2$ - $TiO_2$ - $ZnO$ glasses with lower hydroxyl content. <i>Journal of Non-Crystalline Solids</i> , 2020, 528, 119678.	1.5	15
10	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
11	Nonlinear optical properties of tellurium oxide nanoclusters. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012137.	0.3	0
12	An enhanced core-shell interatomic potential for $Te$ - $O$ based oxides. <i>Materials Research Express</i> , 2020, 7, 015202.	0.8	2
13	A comprehensive study of the glass/translucent anti-glass/transparent ceramic structural ordering in the $Bi_2O_3$ - $Nb_2O_5$ - $TeO_2$ system. <i>Acta Materialia</i> , 2020, 189, 73-84.	3.8	19
14	Morphology and oxide-ion conductivity of flux grown single crystals of $BaO$ -doped lanthanum silicate oxyapatite. <i>Solid State Ionics</i> , 2020, 346, 115219.	1.3	3
15	New $KNbTeO_6$ transparent tellurate ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4164-4170.	2.8	8
16	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
17	A computational study of the electronic structure and optical properties of the complex $TeO_2/TeO_3$ oxides as advanced materials for nonlinear optics. <i>Materials Research Express</i> , 2019, 6, 125903.	0.8	2
18	Measurement of the third order nonlinear susceptibility of paratellurite single crystal using multiplex CARS. <i>AIP Advances</i> , 2019, 9, 105301.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Structural investigation of new tellurite glasses belonging to the TeO <sub>2</sub> -NbO <sub>2.5</sub> -WO <sub>3</sub> system, and a study of their linear and nonlinear optical properties. Journal of Non-Crystalline Solids, 2019, 512, 161-173.	1.5	19
20	Highly Transparent Fluorotellurite Glass-Ceramics: Structural Investigations and Luminescence Properties. Inorganic Chemistry, 2019, 58, 16387-16401.	1.9	7
21	Synthesis, thermal, structural and linear optical properties of new glasses within the TeO <sub>2</sub> -TiO <sub>2</sub> -WO <sub>3</sub> system. Journal of Non-Crystalline Solids, 2018, 484, 139-148.	1.5	22
22	Nd <sup>3+</sup> -doped transparent tellurite ceramics bulk lasers. Scientific Reports, 2018, 8, 4640.	1.6	26
23	Raman spectra and structural peculiarities of TeO <sub>2</sub> –TeO <sub>3</sub> mixed oxides. Journal of Physics Condensed Matter, 2018, 30, 475403.	0.7	12
24	Third order nonlinear optical properties of a paratellurite single crystal. Journal of Applied Physics, 2018, 123, .	1.1	11
25	Novel method to control initial crystallization of Eu <sup>3+</sup> doped ZrO <sub>2</sub> nanophosphors derived from a Sol–Gel route based on HNO <sub>3</sub> and their site-selective photoluminescence. Journal of the Ceramic Society of Japan, 2018, 126, 551-556.	0.5	3
26	Narrow electromagnetically induced transparencies in Rb confined large-core core inner-wall coated Kagome HC-PCFs. , 2018, , .		0
27	In-situ dwell-time measurement of Rb at the inner-wall coated-surface of HC-PCF. , 2018, , .		0
28	Comparative Analysis of the Electronic Structure and Nonlinear Optical Susceptibility of $\text{TeO}_2$ and $\text{TeO}_3$ Crystals. Journal of Physical Chemistry C, 2017, 121, 12365-12374.	1.5	17
29	Structure and analgesic properties of layered double hydroxides intercalated with low amounts of ibuprofen. Journal of the American Ceramic Society, 2017, 100, 2712-2721.	1.9	7
30	Structural modifications of lanthanum silicate oxyapatite exposed to high water pressure. Journal of the European Ceramic Society, 2017, 37, 2149-2158.	2.8	9
31	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
32	Synthesis and structure of transparent zinc-niobate-tellurite glasses with low hydroxyl content. Ceramics International, 2017, 43, 2962-2968.	2.3	10
33	Crystal structures and polymorphism of $\text{Sr}_{0.4}\text{Al}_{0.6}\text{O}_{12}\text{SO}_4$ . Journal of the Ceramic Society of Japan, 2017, 125, 364-370.	0.5	10
34	Kinetics of reactive diffusion between solid La <sub>2</sub> GeO <sub>5</sub> and gases [GeO + 1/2O <sub>2</sub> ]. Journal of the Ceramic Society of Japan, 2017, 125, 524-527.	0.5	1
35	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
36	Scalable and Formable Tellurite-Based Transparent Ceramics for Near Infrared Applications. Advanced Optical Materials, 2016, 4, 1482-1486.	3.6	46

#	ARTICLE	IF	CITATIONS
37	Origin of the strong optical nonlinearity of tellurium oxide-based compounds: The specific case of BaTe <sub>2</sub> O <sub>6</sub> . Journal of Alloys and Compounds, 2016, 661, 92-99.	2.8	1
38	Influence of Al <sub>2</sub> O <sub>3</sub> incorporation on the third-order nonlinear optical properties of Ag <sub>2</sub> O-TeO <sub>2</sub> glasses. Journal of Non-Crystalline Solids, 2016, 431, 97-102.	1.5	12
39	Well-aligned polycrystalline lanthanum silicate oxyapatite grown by reactive diffusion between solid La <sub>2</sub> SiO <sub>5</sub> and gases [SiO <sub>2</sub> +1/2O <sub>2</sub> ]. Journal of Solid State Chemistry, 2016, 235, 1-6.	1.4	9
40	Stabilization Effect of Surface Impurities on the Structure of Ultrasmall ZrO <sub>2</sub> Nanoparticles: An Ab-Initio Study. Journal of Physical Chemistry C, 2015, 119, 15618-15626.	1.5	9
41	Lasing effects in new Nd <sup>3+</sup> -doped TeO <sub>2</sub> -Nb <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> bulk glasses. Optical Materials, 2015, 47, 99-107.	1.7	18
42	Crystal Structure and Oxide-Ion Conductivity of Highly Grain-Aligned Polycrystalline Lanthanum Germanate Oxyapatite Grown by Reactive Diffusion between Solid La <sub>2</sub> GeO <sub>5</sub> and Gases [GeO <sub>2</sub> +1/2O <sub>2</sub> ]. Crystal Growth and Design, 2015, 15, 3435-3441.	1.4	7
43	New Transparent Glass-Ceramics Based on the Crystallization of Anti-glass-Spherulites in the Bi <sub>2</sub> O <sub>3</sub> -Nb <sub>2</sub> O <sub>5</sub> -TeO <sub>2</sub> System. Crystal Growth and Design, 2015, 15, 5086-5096.	1.4	37
44	Structural, mechanical and optical investigations in the TeO <sub>2</sub> -rich part of the TeO <sub>2</sub> -GeO <sub>2</sub> -ZnO ternary glass system. Solid State Sciences, 2015, 40, 20-30.	1.5	34
45	Thermal, optical and structural properties of glasses within the TeO <sub>2</sub> TiO <sub>2</sub> ZnO system. Journal of Alloys and Compounds, 2015, 622, 333-340.	2.8	41
46	Strong Influences of Melting Time and Tm <sup>3+</sup> Concentration on Blue Up-Conversion Photoluminescence for Tm <sup>3+</sup> /Yb <sup>3+</sup> Co-doped TeO <sub>2</sub> -TiO <sub>0.5</sub> -ZnO Glass. International Journal of Applied Glass Science, 2015, 6, 83-93.	1.0	4
47	Class Structures and Linear/Nonlinear Optical Properties of Ag <sub>2</sub> O-Doped TeO <sub>2</sub> Glasses. Key Engineering Materials, 2014, 617, 141-144.	0.4	1
48	Raman investigation and glass-compositional dependence on blue up-conversion photoluminescence for Tm <sup>3+</sup> /Yb <sup>3+</sup> co-doped TeO <sub>2</sub> -TiO <sub>0.5</sub> -ZnO glasses. Optical Materials Express, 2014, 4, 823.	1.6	6
49	High-Temperature Elastic Moduli of Flux-Grown GeO <sub>2</sub> Single Crystal. ChemPhysChem, 2014, 15, 118-125.	1.0	18
50	Phase transformation of Ca <sub>4</sub> [Al <sub>6</sub> O <sub>12</sub> ]SO <sub>4</sub> and its disordered crystal structure at 1073K. Journal of Solid State Chemistry, 2014, 215, 265-270.	1.4	28
51	Huge susceptibility increase within the (1-x) TeO <sub>2</sub> +x TeO <sub>3</sub> crystal system: Ab initio calculation study. Journal of Alloys and Compounds, 2014, 587, 120-125.	2.8	6
52	Influence of Hydroxyl Group on IR Transparency of Tellurite-Based Glasses. International Journal of Applied Glass Science, 2014, 5, 178-184.	1.0	17
53	Study of the formation of the apatite-type phases La <sub>9.33+x</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2+3x/2</sub> synthesized from a lanthanum oxycarbonate La <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> . Solid State Sciences, 2014, 38, 150-155.	1.5	13
54	Atomistic simulations of TeO <sub>2</sub> -based glasses: interatomic potentials and molecular dynamics. Physical Chemistry Chemical Physics, 2014, 16, 14150-14160.	1.3	60

#	ARTICLE	IF	CITATIONS
55	A Comprehensive Study of the Carbon Contamination in Tellurite Glasses and Glass-Ceramics Sintered by Spark Plasma Sintering (<sc>SPS</sc>). Journal of the American Ceramic Society, 2014, 97, 163-172.	1.9	59
56	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
57	Optical properties of tellurite glasses elaborated within the TeO <sub>2</sub> -TiO <sub>2</sub> -Ag <sub>2</sub> O and TeO <sub>2</sub> -ZnO-Ag <sub>2</sub> O ternary systems. Journal of Alloys and Compounds, 2013, 561, 151-160.	2.8	49
58	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
59	A new oxyfluorotellurate(IV), InTe <sub>2</sub> O <sub>5</sub> F. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 460-462.	0.4	8
60	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
61	Hyper-Raman and Raman scattering in paratellurite TeO <sub>2</sub> . Journal of Raman Spectroscopy, 2013, 44, 739-745.	1.2	28
62	Progress towards atomic vapor photonic microcells: Coherence and polarization relaxation measurements in coated and uncoated HC-PCF. Proceedings of SPIE, 2013, , .	0.8	1
63	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
64	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
65	On the origin of the high Kerr coefficient measured in thallium-zinc-tellurite glasses. Journal of Non-Crystalline Solids, 2012, 358, 1870-1872.	1.5	1
66	Phase formation and crystal structure determination in the Y <sub>2</sub> O <sub>3</sub> -TeO <sub>2</sub> system prepared in an oxygen atmosphere. Journal of the European Ceramic Society, 2012, 32, 4263-4269.	2.8	8
67	Impact of tellurite-based glass structure on Raman gain. Chemical Physics Letters, 2012, 554, 123-127.	1.2	31
68	Quantum Mechanical Study of Pre-Dissociation Enhancement of Linear and Nonlinear Polarizabilities of (TeO <sub>2</sub> ) <sub>n</sub> Oligomers as a Key to Understanding the Remarkable Dielectric Properties of TeO <sub>2</sub> Glasses. Journal of Physical Chemistry A, 2012, 116, 9361-9369.	1.1	18
69	Structural peculiarities and Raman spectra of TeO <sub>2</sub> /WO <sub>3</sub> -based glasses: A fresh look at the problem. Journal of Solid State Chemistry, 2012, 190, 45-51.	1.4	32
70	Anisotropy of oxide-ion conduction in apatite-type lanthanum silicate. Solid State Ionics, 2012, 217, 40-45.	1.3	40
71	Nonlinear optical properties of TeO <sub>2</sub> crystalline phases from first principles. Physical Review B, 2011, 83, .	1.1	22
72	Oxide-Ion Conductivity of Highly <i>c</i> -Axis-Oriented Apatite-Type Lanthanum Silicate Polycrystal Formed by Reactive Diffusion between La <sub>2</sub> SiO <sub>5</sub> and La <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> . Chemistry of Materials, 2011, 23, 5474-5483.	3.2	57

#	ARTICLE	IF	CITATIONS
73	Structures and Third-Order Optical Nonlinearities of BiO <sub>1.5</sub> -WO <sub>3</sub> -TeO <sub>2</sub> Glasses. Journal of the American Ceramic Society, 2011, 94, 1434-1439.	1.9	10
74	Optical properties and Judd-Ofelt parameters of Sm <sup>3+</sup> doped BiO <sub>1.5</sub> -WO <sub>3</sub> -TeO <sub>2</sub> glasses. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2597-2600.	0.8	4
75	Raman spectra and third-order nonlinear optical Z-scan properties of MO-Nb <sub>2</sub> O <sub>5</sub> -TeO <sub>2</sub> (M=Zn, Mg, Ca, Sr, Ba) glasses. Journal of Raman Spectroscopy, 2010, 41, 1700-1707.	0.8	6
76	Vibrational spectra of rhombohedral TeO <sub>3</sub> compared to those of ReO <sub>3</sub> -like proto- $\alpha$ phase and $\beta$ -TeO <sub>2</sub> (paratellurite): lattice dynamic and crystal chemistry aspects. Journal of Raman Spectroscopy, 2011, 42, 758-764.	1.2	14
77	Crystal chemistry peculiarities of Cs <sub>2</sub> Te <sub>4</sub> O <sub>12</sub> . Journal of Solid State Chemistry, 2011, 184, 637-643.	1.4	4
78	Second Harmonic Generation induced by optical poling in new TeO <sub>2</sub> -TiO <sub>2</sub> -ZnO glasses. Materials Research Bulletin, 2010, 45, 551-557.	2.7	16
79	Crystal structure and dynamical properties of a new tellurite: Ag <sub>2</sub> TlTeO <sub>3</sub> . Materials Research Bulletin, 2010, 45, 1883-1888.	2.7	1
80	New glasses within the TiO <sub>2</sub> -Ag <sub>2</sub> O-TeO <sub>2</sub> system: Thermal characteristics, Raman spectra and structural properties. Materials Research Bulletin, 2010, 45, 1816-1824.	2.7	16
81	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
82	Raman and infrared spectra of doped La <sub>8-x</sub> Sr <sub>2x</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2+<math>\delta</math></sub> compounds compared to the <i>ab initio</i> -obtained spectroscopic characteristics of fully stoichiometric La <sub>8</sub> Sr <sub>2</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> . Journal of Raman Spectroscopy, 2010, 41, 1700-1707.	1.2	9
83	Nonlinear optical properties and glass structure for MO-Nb <sub>2</sub> O <sub>5</sub> -TeO <sub>2</sub> (M=Zn, Mg, Ca, Sr, Ba) glasses. Optical Materials, 2010, 32, 448-455.	1.7	63
84	Fluorescence line narrowing spectroscopy of Eu <sup>3+</sup> in zinc-thallium-tellurite glass. Journal of Solid State Chemistry, 2010, 183, 2714-2719.	1.4	19
85	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
86	GeTe <sub>2</sub> O <sub>6</sub> , a germanium tellurate(IV) with an open framework. Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, i23-i26.	0.4	2
87	Second harmonic generation of thermally poled tungsten tellurite glass. Optical Materials, 2009, 31, 775-780.	1.7	35
88	Diffusion Path and Conduction Mechanism of Oxide Ions in Apatite-Type Lanthanum Silicates. Chemistry of Materials, 2009, 21, 2508-2517.	3.2	105
89	Formation domain and characterization of new glasses within the TiO <sub>2</sub> -TiO <sub>2</sub> -TeO <sub>2</sub> system. Materials Research Bulletin, 2009, 44, 248-253.	2.7	25
90	New oxyfluorotellurates(IV): MTeO <sub>3</sub> F (M= Fe <sup>III</sup> , Galland Cr <sup>III</sup> ). Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, i12-i14.	0.4	11

#	ARTICLE	IF	CITATIONS
91	Two new types of oxyfluorotellurates(IV): ScTeO <sub>3</sub> F and InTeO <sub>3</sub> F. Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, i57-i61.	0.4	9
92	Synthesis of lanthanum silicate oxyapatite materials as a solid oxide fuel cell electrolyte. Journal of the European Ceramic Society, 2008, 28, 2717-2724.	2.8	64
93	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
94	The role of modifier cations cation valence in structural properties of TeO <sub>2</sub> -based glasses. Journal of Non-Crystalline Solids, 2008, 354, 143-149.	1.5	37
95	Local molecular orbitals and hyper-susceptibility of TeO <sub>2</sub> glass. Journal of Non-Crystalline Solids, 2008, 354, 199-202.	1.5	26
96	Dynamic Scaling Properties of TeO <sub>2</sub> -Based Gels. Langmuir, 2008, 24, 12568-12574.	1.6	4
97	Theoretical Third-Order Hyperpolarizability of Paratellurite from the Finite Field Perturbation Method. Journal of Physical Chemistry B, 2008, 112, 10777-10781.	1.2	13
98	Influence of modifier oxides on the structural and optical properties of binary TeO <sub>2</sub> glasses. Journal of Applied Physics, 2007, 101, 023526.	1.1	20
99	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
100	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
101	High-temperature (1500 K) reciprocal space mapping on a laboratory X-ray diffractometer. Journal of Applied Crystallography, 2007, 40, 332-337.	1.9	4
102	Sol-gel synthesis of TeO <sub>2</sub> -based materials using citric acid as hydrolysis modifier. Journal of Sol-Gel Science and Technology, 2007, 41, 79-86.	1.1	22
103	Sol-gel processing of TeO <sub>2</sub> thin films from citric acid stabilised tellurium isopropoxide precursor. Journal of the European Ceramic Society, 2007, 27, 1151-1158.	2.8	27
104	Ab initio study of the nonlinear optical susceptibility of TeO <sub>2</sub> -based glasses. Physical Review B, 2006, 73, .	1.1	77
105	Thermal characteristics, Raman spectra and structural properties of new tellurite glasses within the Bi <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> -TeO <sub>2</sub> system. Journal of Solid State Chemistry, 2006, 179, 3252-3259.	1.4	107
106	Efficient second harmonic generation in $\beta$ -TeO <sub>2</sub> phase. Journal of Materials Science, 2006, 41, 305-307.	1.7	6
107	Efficient second harmonic generation in $\beta$ -TeO <sub>2</sub> phase. Journal of Materials Science, 2005, 40, 4975-4977.	1.7	6
108	Raman gain measurements of thallium-tellurium oxide glasses. Optics Express, 2005, 13, 1144.	1.7	48



#	ARTICLE	IF	CITATIONS
109	Dynamics and crystal chemistry of tellurites. II. Composition- and temperature-dependence of the Raman spectra of $x(\text{Ti}_2\text{O})+(1-x)\text{Te}_2\text{O}$ glasses: evidence for a phase separation?. Journal of Physics and Chemistry of Solids, 2004, 65, 981-993.	1.9	32
110	On the structure of the disordered $\text{Bi}_2\text{Te}_4\text{O}_{11}$ phase. Journal of Solid State Chemistry, 2004, 177, 2168-2176.	1.4	18
111	Localized hyperpolarizability approach to the origin of nonlinear optical properties in $\text{TeO}_2$ -based materials. Physical Review B, 2004, 70, .	1.1	43
112	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
113	Sol-gel processing and microstructure of $\text{TeO}_2$ materials. Journal of Non-Crystalline Solids, 2004, 345-346, 634-638.	1.5	11
114	Non-linear optical properties of $\text{TeO}_2$ -based glasses: ab initio static finite-field and time-dependent calculations. Journal of Non-Crystalline Solids, 2004, 345-346, 730-733.	1.5	17
115	Theoretical study of the polymer molecules $(\text{TeO}_2)_n$ as model systems for the local structure in $\text{TeO}_2$ glass. Journal of Non-Crystalline Solids, 2004, 345-346, 734-737.	1.5	26
116	Ab initio study of the polymer molecules $(\text{TeO}_2)_n$ as model systems for the local structure in $\text{TeO}_2$ glass. Physical Review B, 2003, 68, .	1.1	24
117	Vibrational and structural properties of glass and crystalline phases of $\text{TeO}_2$ . Journal of Non-Crystalline Solids, 2003, 330, 50-60.	1.5	117
118	Raman and crystallization behaviors of $\text{TeO}_2\text{-Sb}_2\text{O}_4$ glasses. Journal of Non-Crystalline Solids, 2003, 321, 81-88.	1.5	21
119	Refinement of the crystal structure of zirconium tritellurate(IV), $\text{ZrTe}_3\text{O}_8$ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2003, 218, 315-316.	0.1	0
120	Refinement of the crystal structure of zirconium tritellurate(IV), $\text{ZrTe}_3\text{O}_8$ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2003, 218, 293-294.	0.1	1
121	The $\text{TeO}_2$ -rich part of the $\text{TeO}_2\text{-Ga}_2\text{O}_3$ system: equilibrium and non-equilibrium phase diagram. Journal of Materials Chemistry, 2002, 12, 2803-2806.	6.7	14
122	New heavy metal oxide glasses: investigations within the $\text{TeO}_2\text{-Nb}_2\text{O}_5\text{-Bi}_2\text{O}_3$ system. Journal of Alloys and Compounds, 2002, 347, 206-212.	2.8	43
123	Glass formation study within the $\text{TeO}_2\text{-TiF}$ and $\text{Ti}_2\text{Te}_3\text{O}_7\text{-TiF}$ systems. Comptes Rendus Chimie, 2002, 5, 607-610.	0.2	2
124	Calcium phosphate apatites with variable Ca/P atomic ratio I. Synthesis, characterisation and thermal stability of powders. Biomaterials, 2002, 23, 1065-1072.	5.7	663
125	Dynamics and crystal chemistry of tellurites. Journal of Physics and Chemistry of Solids, 2002, 63, 545-554.	1.9	20
126	The Crystal Structure of $\text{PbTe}_5\text{O}_{11}$ . Materials Research Bulletin, 2001, 36, 693-703.	2.7	8



#	ARTICLE	IF	CITATIONS
127	Crystal structure of a new gallium tellurite: Ga <sub>2</sub> Te <sub>4</sub> O <sub>11</sub> . Solid State Sciences, 2001, 3, 423-431.	1.5	30
128	Crystal structure, Raman spectrum and lattice dynamics of a new metastable form of tellurium dioxide: $\hat{\Gamma}^3$ -TeO <sub>2</sub> . Journal of Physics and Chemistry of Solids, 2000, 61, 1499-1507.	1.9	186
129	Dynamics and structure of TeO <sub>2</sub> 2 polymorphs: model treatment of paratellurite and tellurite; Raman scattering evidence for new $\hat{\Gamma}^3$ - and $\hat{\Gamma}^1$ -phases. Journal of Physics and Chemistry of Solids, 2000, 61, 501-509.	1.9	151
130	Crystal structure of BiNbTe <sub>2</sub> O <sub>8</sub> . Solid State Sciences, 2000, 2, 223-228.	1.5	16
131	Crystal structure of Nb <sub>2</sub> Te <sub>4</sub> O <sub>13</sub> . Journal of Alloys and Compounds, 2000, 306, 175-185.	2.8	22
132	Fabrication of SrRuO <sub>3</sub> powders and thin films by metalorganic decomposition. Journal of Alloys and Compounds, 2000, 308, 77-82.	2.8	17
133	Full chemical fabrication of SrBi <sub>2</sub> (Ta,Nb) <sub>2</sub> O <sub>9</sub> ferroelectric thin film capacitors. Integrated Ferroelectrics, 1999, 23, 77-88.	0.3	1
134	Preparation and properties of alumina-ceria nano-nano composites. Journal of Materials Science, 1999, 34, 1911-1919.	1.7	13
135	New investigations within the TeO <sub>2</sub> -WO <sub>3</sub> system: phase equilibrium diagram and glass crystallization. Journal of Materials Science, 1999, 34, 4285-4292.	1.7	90
136	Glass Structure and Optical Nonlinearities in Thallium(I) Tellurium(IV) Oxide Glasses. Journal of Solid State Chemistry, 1999, 146, 329-335.	1.4	98
137	Formation of celsian from mechanically activated BaCO <sub>3</sub> –Al <sub>2</sub> O <sub>3</sub> –SiO <sub>2</sub> mixtures. Journal of Alloys and Compounds, 1999, 290, 230-235.	2.8	24
138	Equilibrium and non-equilibrium phase diagram within the TeO <sub>2</sub> -rich part of the TeO <sub>2</sub> -Nb <sub>2</sub> O <sub>5</sub> system. Journal of Materials Chemistry, 1999, 9, 1785-1788.	6.7	34
139	Crystal structure of $\hat{\Gamma}^3$ -Tl <sub>2</sub> Te <sub>2</sub> O <sub>5</sub> . Materials Research Bulletin, 1998, 33, 1709-1716.	2.7	8
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 <sub>3</sub> -TeO <sub>2</sub> pseudo binary system. Annales De Chimie: Science Des Materiaux, 1998, 23, 213-216.	0.2	1
142	Glass formation study in the BiO-TeO-WO system. Annales De Chimie: Science Des Materiaux, 1998, 23, 289-292.	0.2	9
143	New investigations within the TeO <sub>2</sub> -rich part of the Tl <sub>2</sub> O–TeO <sub>2</sub> system. Journal of Materials Chemistry, 1998, 8, 1039-1042.	6.7	13
144	Structural and dielectric study of the Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> –PbTiO <sub>3</sub> and K <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> –PbTiO <sub>3</sub> systems. Journal of Materials Chemistry, 1997, 7, 91-97.	6.7	48

#	ARTICLE	IF	CITATIONS
145	Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> Ferroelectric Thin Films: Morphology and Electrical Characteristics. Journal De Physique III, 1997, 7, 1221-1226.	0.3	1
146	Crystal structure of Ti <sub>2</sub> Te <sub>3</sub> O <sub>7</sub> . Materials Research Bulletin, 1997, 32, 51-58.	2.7	11
147	Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films from mixed bismuth-titanium alkoxides. Journal of Sol-Gel Science and Technology, 1997, 8, 759-763.	1.1	11
148	Synthesis and structural characterization of CuI and CuII-doped cordierites. Materials Research Bulletin, 1995, 30, 141-148.	2.7	16
149	Powder X-ray diffraction and infrared study of the structural evolution in highly K-doped cordierites. Materials Research Bulletin, 1995, 30, 593-599.	2.7	8
150	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
151	Determination of the Al/Si distribution in synthetic K <sub>x</sub> Mg <sub>2</sub> Al <sub>4+x</sub> Si <sub>5</sub> O <sub>18</sub> (0 < x ≤ 1/2) cordierites by <sup>29</sup> Si and <sup>27</sup> Al MAS-NMR spectroscopy. Journal of Materials Science, 1991, 26, 5053-5059.	1.7	7
152	Sol-gel synthesis, sintering and properties of a potassium-substituted cordierite. Journal of Materials Science Letters, 1989, 8, 52-54.	0.5	4
153	Powder neutron diffraction study of the thermal expansion of a K-substituted cordierite. Journal of Materials Science, 1989, 24, 3976-3983.	1.7	16
154	Chemical route for synthesis of <sup>12</sup> -SiAlON:Eu <sup>2+</sup> phosphors combining polymer-derived ceramics route with non-hydrolytic sol-gel chemistry. Journal of Sol-Gel Science and Technology, 0, , .	1.1	1