

# Spyros N Yannopoulos

## List of Publications by Year in descending order

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169  
papers

4,379  
citations

94433

37  
h-index

149698

56  
g-index

171  
all docs

171  
docs citations

171  
times ranked

4973  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-assisted transformation of a phenol-based resin to high quality graphene-like powder for supercapacitor applications. <i>Chemical Engineering Journal</i> , 2022, 430, 133179.	12.7	16
2	Lessons learned from 25 years of development of photoelectrochromic devices: A technical review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 162, 112462.	16.4	12
3	In-situ high temperature study of the long-term stability and dielectric properties of nanofluids based on TiO <sub>2</sub> and SiC dispersions in natural ester oil at various concentrations. <i>Journal of Molecular Liquids</i> , 2022, 359, 119284.	4.9	21
4	Biomass-derived graphene-like materials as active electrodes for supercapacitor applications: A critical review. <i>Chemical Engineering Journal</i> , 2022, 446, 137191.	12.7	53
5	Band Alignment and Optical Properties of 1D/2D Sb <sub>2</sub> Se <sub>3</sub> /PtSe <sub>2</sub> Heterojunctions. <i>ACS Applied Electronic Materials</i> , 2022, 4, 4814-4822.	4.3	6
6	High-quality laser-assisted biomass-based turbostratic graphene for high-performance supercapacitors. <i>Carbon</i> , 2021, 172, 750-761.	10.3	65
7	Assessment of Physico-Chemical and Toxicological Properties of Commercial 2D Boron Nitride Nanopowder and Nanoplatelets. <i>International Journal of Molecular Sciences</i> , 2021, 22, 567.	4.1	11
8	Development of a ZnO Nanowire Continuous Flow Microreactor with Î <sup>2</sup> -Glucosidase Activity: Characterization and Application for the Glycosylation of Natural Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7658-7667.	6.7	19
9	Toxicological assessment of commercial monolayer tungsten disulfide nanomaterials aqueous suspensions using human A549 cells and the model fungus <i>Saccharomyces cerevisiae</i> . <i>Chemosphere</i> , 2021, 272, 129603.	8.2	8
10	Hybrid ZnO/MoS <sub>2</sub> Core/Sheath Heterostructures for Photoelectrochemical Water Splitting. <i>Applied Nano</i> , 2021, 2, 148-161.	2.0	5
11	Optimization of aluminum doped ZnO nanowires for photoelectrochemical water splitting. <i>Electrochimica Acta</i> , 2021, 392, 138995.	5.2	9
12	Athermal Photoelectronic Effects in Non-Crystalline Chalcogenides: Current Status and Beyond. , 2021, , 251-319.		1
13	Fate assessment of commercial 2D MoS <sub>2</sub> aqueous dispersions at physicochemical and toxicological level. <i>Nanotechnology</i> , 2020, 31, 445101.	2.6	22
14	Dielectric strength and stability of natural ester oil based TiO <sub>2</sub> nanofluids. <i>Journal of Molecular Liquids</i> , 2020, 316, 113901.	4.9	52
15	Novel photoelectrochromic devices incorporating carbon-based perovskite solar cells. <i>Nano Energy</i> , 2020, 77, 105243.	16.0	17
16	Carbon Membranes Prepared from Poly (Furfuryl Alcohol) Precursors: Effect of FeCl <sub>3</sub> Additive. <i>Journal of Carbon Research</i> , 2020, 6, 53.	2.7	4
17	The Influence of Nanoparticles' Conductivity and Charging on Dielectric Properties of Ester Oil Based Nanofluid. <i>Energies</i> , 2020, 13, 6540.	3.1	14
18	Optical Properties and Structure of As <sub>2</sub> Sb Chalcogenide Glasses by Raman Scattering and Density Functional Theory Calculations. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2950-2960.	2.6	3

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19	Structure and photo-induced effects in elemental chalcogens: a review on Raman scattering. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7565-7595.	2.2	24
20	Complex dynamics in nanoscale phase separated supercooled liquids. <i>Physical Review Research</i> , 2020, 2, .	3.6	1
21	Synthesis of t-Te and a-Se nanospheres using continuous wave visible light. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	5
22	The photo-electrokinetics of the O <sub>2</sub> evolution reaction on ZnO nanorods. <i>Electrochimica Acta</i> , 2019, 298, 587-598.	5.2	10
23	Double-Layered Zirconia Films for Carbon-Based Mesoscopic Perovskite Solar Cells and Photodetectors. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-11.	2.7	8
24	1.5 $\mu$ m photoluminescence and upconversion photoluminescence in GeGaAsS:Er chalcogenide glass. <i>Pure and Applied Chemistry</i> , 2019, 91, 1757-1767.	1.9	4
25	Platinum decorated zinc oxide nanowires as an efficient counter electrode for dye sensitized solar cells. <i>Journal of Electroanalytical Chemistry</i> , 2019, 835, 86-95.	3.8	15
26	Electrochemical properties and long-term stability of molybdenum disulfide and platinum counter electrodes for solar cells: A comparative study. <i>Electrochimica Acta</i> , 2018, 267, 110-121.	5.2	10
27	Influence of the morphology of ZnO nanowires on the photoelectrochemical water splitting efficiency. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4866-4879.	7.1	51
28	Photocatalytic degradation of Naproxen and methylene blue: Comparison between ZnO, TiO <sub>2</sub> and their mixture. <i>Chemical Engineering Research and Design</i> , 2018, 113, 174-183.	5.6	100
29	The Essential Elements of a Risk Governance Framework for Current and Future Nanotechnologies. <i>Risk Analysis</i> , 2018, 38, 1321-1331.	2.7	27
30	Photoluminescence in pulsed-laser deposited GeGaSbS:Er films. <i>Optical Materials</i> , 2018, 85, 246-253.	3.6	1
31	Thermal dewetting tunes surface enhanced resonance Raman scattering (SERRS) performance. <i>RSC Advances</i> , 2018, 8, 29062-29070.	3.6	11
32	Laser-induced transformation of graphitic materials to two-dimensional graphene-like structures at ambient conditions. <i>Nanotechnology</i> , 2018, 29, 384001.	2.6	9
33	Efficient defect healing and ultralow sheet resistance of laser-assisted reduced graphene oxide at ambient conditions. <i>Carbon</i> , 2018, 139, 492-499.	10.3	25
34	Factors Affecting the Power Conversion Efficiency in ZnO DSSCs: Nanowire vs. Nanoparticles. <i>Materials</i> , 2018, 11, 411.	2.9	38
35	MoS <sub>2</sub> /h-BN heterostructures: controlling MoS <sub>2</sub> crystal morphology by chemical vapor deposition. <i>Journal of Materials Science</i> , 2017, 52, 7028-7038.	3.7	12
36	Influence of the surface-to-bulk defects ratio of ZnO and TiO <sub>2</sub> on their UV-mediated photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 292-301.	20.2	91

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37	In-situ study of athermal reversible photocrystallization in a chalcogenide glass. Journal of Applied Physics, 2017, 122, .	2.5	6
38	High-Voltage LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> Spinel Material Synthesized by Microwave-Assisted Thermo-Polymerization: Some Insights into the Microwave-Enhancing Physico-Chemistry. Journal of the Electrochemical Society, 2017, 164, A3259-A3265.	2.9	18
39	Attaining semi-quantitative SERS measurements on thermally dewetted Au films. International Journal of Higher Education Management, 2017, 3, 30-34.	1.3	3
40	X-Ray Crystallographic Analysis, EPR Studies, and Computational Calculations of a Cu(II) Tetramic Acid Complex. Bioinorganic Chemistry and Applications, 2017, 2017, 1-10.	4.1	4
41	High-Quality, Reproducible ZnO Nanowire Arrays Obtained by a Multiparameter Optimization of Chemical Bath Deposition Growth. Crystal Growth and Design, 2016, 16, 2140-2150.	3.0	35
42	Facile, substrate-scale growth of mono- and few-layer homogeneous MoS <sub>2</sub> films on Mo foils with enhanced catalytic activity as counter electrodes in DSSCs. Nanotechnology, 2016, 27, 045404.	2.6	38
43	Reversible migration of silver on memorized pathways in Ag-Ge <sub>40</sub> S <sub>60</sub> films. AIP Advances, 2015, 5, .	1.3	5
44	Structural Modification of Ni <sub>2</sub> O <sub>3</sub> with Boron for Enhanced Carbon Resistance during CO Methanation. ChemCatChem, 2015, 7, 3261-3265.	3.7	11
45	ZnO Nanowires: Growth, Properties and Advantages. NATO Science for Peace and Security Series A: Chemistry and Biology, 2015, , 129-149.	0.5	2
46	Laser processing of SiC: From graphene-coated SiC particles to 3D graphene froths. Carbon, 2015, 85, 176-184.	10.3	15
47	Laser-Assisted Growth and Processing of Functional Chalcogenide Nanostructures. NATO Science for Peace and Security Series A: Chemistry and Biology, 2015, , 17-27.	0.5	1
48	Surface-enhanced Raman scattering of pyridine-functionalized multi-walled carbon nanotubes. Journal of Raman Spectroscopy, 2014, 45, 424-430.	2.5	3
49	ZnO/zeolite hybrid nanostructures: synthesis, structure, optical properties, and simulation. Thin Solid Films, 2014, 555, 21-27.	1.8	11
50	The influence of Au film thickness and annealing conditions on the VLS-assisted growth of ZnO nanostructures. Nanotechnology, 2014, 25, 215601.	2.6	32
51	Lipid-like Self-Assembling Peptide Nanovesicles for Drug Delivery. ACS Applied Materials & Interfaces, 2014, 6, 8184-8189.	8.0	95
52	Development of hybrid solid and hollow core photonic crystal fiber with soft glass deposition for infrared light manipulation. , 2014, , .		0
53	Photo-induced oxidation and amorphization of trigonal tellurium: A means to engineer hybrid nanostructures and explore glass structure under spatial confinement. Journal of Applied Physics, 2014, 116, .	2.5	27
54	Elemental sulfur under high hydrostatic pressure. An up-to-date Raman study. High Pressure Research, 2013, 33, 134-140.	1.2	10

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55	The glassy and supercooled state of elemental sulfur: Vibrational modes, structure metastability, and polymer content. Journal of Chemical Physics, 2013, 139, 124501.	3.0	30
56	Influence of thermal history on the photostructural changes in glassy As <sub>15</sub> S <sub>85</sub> studied by Raman scattering and <i>ab initio</i> calculations. Journal of Applied Physics, 2013, 114, .	2.5	4
57	Stability and physicochemical characterization of novel milk-based oral formulations. International Journal of Pharmaceutics, 2013, 444, 128-138.	5.2	21
58	Reversible Amorphous-to-Amorphous Transitions in Chalcogenide Films: Correlating Changes in Structure and Optical Properties. Advanced Functional Materials, 2013, 23, 2052-2059.	14.9	20
59	Laser-Assisted Growth of t-Te Nanotubes and their Controlled Photo-induced Unzipping to ultrathin core-Te/sheath-TeO <sub>2</sub> Nanowires. Scientific Reports, 2013, 3, 1209.	3.3	25
60	Chalcogenide glass layers in silica photonic crystal fibers. Optics Express, 2012, 20, 14814. Structure, electronic, and vibrational properties of glassy Ga	3.4	46
61	$\text{Ge}_{11}\text{Te}_{11}$ and $\text{Ge}_{11}\text{Te}_{11}$ glasses: Experiment, reverse Monte Carlo modelling, and density functional calculations. Journal of Solid State Chemistry, 2012, 192, 7-15.	3.2	41
62	Structure of AgI-doped Ge <sub>2</sub> In <sub>3</sub> S glasses: Experiment, reverse Monte Carlo modelling, and density functional calculations. Journal of Solid State Chemistry, 2012, 192, 7-15.	2.9	18
63	Origin of photoinduced defects in glassy As <sub>2</sub> S <sub>3</sub> under band gap illumination studied by Raman scattering: A revisory approach. Physica Status Solidi (B): Basic Research, 2012, 249, 2005-2012.	1.5	22
64	Probing the Perturbation of Lecithin Bilayers by Unmodified C <sub>60</sub> Fullerenes Using Experimental Methods and Computational Simulations. Journal of Physical Chemistry C, 2012, 116, 3867-3874.	3.1	7
65	Study of crystallization kinetics and structural relaxation behavior in phase separated Ag <sub>33</sub> Ge <sub>17</sub> Se <sub>50</sub> glassy alloys. Materials Chemistry and Physics, 2012, 135, 68-72.	4.0	8
66	CO <sub>2</sub> -Laser-Induced Growth of Epitaxial Graphene on 6H-SiC(0001). Advanced Functional Materials, 2012, 22, 113-120.	14.9	65
67	Confinement effects on liquid-liquid transitions: pore size dependence of sulfur's living polymerization. Soft Matter, 2011, 7, 3404.	2.7	15
68	Structure of AgI-AsSe Glasses by Raman Scattering and Ab Initio Calculations. NATO Science for Peace and Security Series B: Physics and Biophysics, 2011, , 217-223.	0.3	0
69	Vibrational dynamics and surface structure of amorphous selenium. Nature Communications, 2011, 2, 195.	12.8	32
70	Enhanced Raman gain of Ge <sub>2</sub> Ga <sub>2</sub> Sb <sub>2</sub> S chalcogenide glass for highly nonlinear microstructured optical fibers. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 2284.	2.1	56
71	Composition-dependent photosensitivity in As <sub>2</sub> S glasses induced by bandgap light: structural origin by Raman scattering. Optics Letters, 2011, 36, 534.	3.3	22
72	Stabilisation of SWNTs by alkyl-sulfate chitosan derivatives of different molecular weight: towards the preparation of hybrids with anticoagulant properties. Nanoscale, 2011, 3, 1218.	5.6	12

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73	Photoinduced mass-transport based holographic recording of surface relief gratings in amorphous selenium films. Applied Physics Letters, 2011, 99, 051906.	3.3	39
74	Nanoindentation and Raman studies of phase-separated Ag-As-S glasses. Applied Physics Letters, 2011, 99, 171911.	3.3	9
75	Nonergodicity Factor, Fragility, and Elastic Properties of Polymeric Glassy Sulfur. Journal of Physical Chemistry B, 2011, 115, 14052-14063.	2.6	25
76	GeS <sub>2</sub> -Ga <sub>2</sub> S <sub>3</sub> -AgI glasses with high nonlinear optical properties. , 2011, , .		2
77	Synthesis and characterization of ZnO/NiO p-n heterojunctions: ZnO nanorods grown on NiO thin film by thermal evaporation. Photonics and Nanostructures - Fundamentals and Applications, 2011, 9, 132-139.	2.0	98
78	Structure and vibrational modes of AgI-doped AsSe glasses: Raman scattering and ab initio calculations. Journal of Solid State Chemistry, 2011, 184, 447-454.	2.9	6
79	Vibrational Properties of Silver-doped Arsenic Chalcogenide Bulk Glasses. AIP Conference Proceedings, 2010, , .	0.4	4
80	Novel composites materials from functionalized polymers and silver coated titanium oxide capable for calcium phosphate induction, control of orthopedic biofilm infections: an in vitro study. Journal of Materials Science: Materials in Medicine, 2010, 21, 2201-2211.	3.6	14
81	Physisorbedo-carborane onto lyso-phosphatidylcholine-functionalized, single-walled carbon nanotubes: a potential carrier system for the therapeutic delivery of boron. Nanotechnology, 2010, 21, 085101.	2.6	15
82	Phase transition in crystalline GeTe: Pitfalls of averaging effects. Physical Review B, 2010, 82, .	3.2	95
83	High pressure transition in amorphous As <sub>2</sub> S <sub>3</sub> studied by EXAFS. Journal of Chemical Physics, 2009, 131, 224502.	3.0	18
84	Colossal photostructural changes in chalcogenide glasses: Athermal photoinduced polymerization in As <sub>x</sub> S <sub>100-x</sub> bulk glasses revealed by near-bandgap Raman scattering. Applied Physics Letters, 2009, 94, .	3.3	39
85	Comment on "Dynamic aspects of the liquid-liquid phase transformation in silicon". J. Chem. Phys. 129, 104503 (2008)]. Journal of Chemical Physics, 2009, 130, 247102.	3.0	4
86	Photoplastic effects in chalcogenide glasses: A review. Physica Status Solidi (B): Basic Research, 2009, 246, 1773-1785.	1.5	72
87	Dynamic Light Scattering as a Probe of Nanosized Entities: Applications In Materials and Life Sciences. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 131-136.	0.3	0
88	Raman spectroscopic study of SbxSe <sub>100-x</sub> phase-separated bulk glasses. Journal of Non-Crystalline Solids, 2009, 355, 2040-2044.	3.1	22
89	Ag diffusion in amorphous As <sub>50</sub> Se <sub>50</sub> films studied by XPS. Journal of Non-Crystalline Solids, 2009, 355, 1844-1848.	3.1	12
90	Vibrational modes and structure of (AgI) (GeS <sub>1.5</sub> ) <sub>100-x</sub> chalcogenide glasses. Journal of Non-Crystalline Solids, 2009, 355, 2063-2067.	3.1	12

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91	Effect of silver doping on the structure and phase separation of sulfur-rich As-S glasses: Raman and SEM studies. Journal of Non-Crystalline Solids, 2009, 355, 2010-2014.	3.1	43
92	Slow dynamics of liquid Se studied by Infrared Photon Correlation Spectroscopy. Journal of Non-Crystalline Solids, 2009, 355, 1797-1800.	3.1	3
93	Computer Simulation Study of Low Dimensional Structures of As-S Glasses. , 2009, , .		1
94	Zno Nanostructures Grown By Thermal Evaporation And Thermal Decomposition Methods. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 211-214.	0.3	1
95	Nanocolloidal Solutions of As-S Glasses and their Relation to the Surface Morphology of Spin-Coated Amorphous Films. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 361-364.	0.3	0
96	Vibrational spectroscopic and computational studies of sol-gel derived Ca-Mg-SiO <sub>2</sub> binary and ternary bioactive glasses. Vibrational Spectroscopy, 2008, 48, 118-125.	2.2	48
97	Structure of As <sub>x</sub> Te <sub>100-x</sub> (20 ≤ x ≤ 60) glasses investigated with x-ray absorption fine structure, x-ray and neutron diffraction, and reverse Monte Carlo simulation. Journal of Chemical Physics, 2008, 129, 214502.	3.0	22
98	Textural and structural studies of sol-gel derived CaO- and MgO silica glasses. Journal of Non-Crystalline Solids, 2008, 354, 749-754.	3.1	14
99	Octahedral fluoride glasses: Raman spectra and structure of niobium pentafluoride. Journal of Non-Crystalline Solids, 2008, 354, 5521-5528.	3.1	5
100	Understanding the dynamics of biological colloids to elucidate cataract formation and develop a methodology for its early diagnosis. Philosophical Magazine, 2008, 88, 4161-4168.	1.6	2
101	Dynamic light scattering study on phase separation of a protein-water mixture: Application on cold cataract development in the ocular lens. Physical Review E, 2008, 77, 061904.	2.1	11
102	Soft x-ray induced Ag diffusion in amorphous pulse laser deposited As <sub>50</sub> Se <sub>50</sub> thin films: An x-ray photoelectron and secondary ion mass spectroscopy study. Journal of Applied Physics, 2008, 104, 043704.	2.5	7
103	Effect of cluster size of chalcogenide glass nanocolloidal solutions on the surface morphology of spin-coated amorphous films. Journal of Applied Physics, 2008, 103, .	2.5	54
104	Origin of the $\lambda^{-2}$ Transition in Liquid Sulfur. Physical Review Letters, 2007, 99, 025701.	7.8	39
105	Comment on "Glass-Specific Behavior in the Damping of Acousticlike Vibrations". Physical Review Letters, 2007, 98, 079601; author reply 079602.	7.8	16
106	Dynamics of proteins: Light scattering study of dilute and dense colloidal suspensions of eye lens homogenates. Journal of Chemical Physics, 2007, 127, 205101.	3.0	17
107	Some remarks on the low-energy excitations in glasses: interpretation of Boson peak data. Philosophical Magazine, 2007, 87, 593-602.	1.6	4
108	Novel ZnO nanostructures grown on carbon nanotubes by thermal evaporation. Thin Solid Films, 2007, 515, 8524-8528.	1.8	86

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109	Preparation of ZnO nanoparticles by thermal decomposition of zinc alginate. <i>Thin Solid Films</i> , 2007, 515, 8461-8464.	1.8	99
110	A temperature-dependent Raman study of the $x\text{LiCl} \cdot (1-x)\text{TeO}_2$ glasses and melts. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1029-1034.	4.0	23
111	Vibrational modes of sodium tellurite glasses: Local structure and Boson peak changes. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1035-1039.	4.0	11
112	Raman scattering study of GeTe and $\text{Ge}_2\text{Sb}_2\text{Te}_5$ phase-change materials. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1074-1078.	4.0	164
113	Electronic and structural changes induced by irradiation or annealing in pulsed laser deposited $\text{As}_{50}\text{Se}_{50}$ films. An XPS and UPS study. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 906-910.	4.0	8
114	Photoemission studies of $\text{As}_x\text{Se}_{100-x}$ (x: 0, 50, 100) films prepared by pulsed-laser deposition—the effect of annealing. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 5525-5534.	1.8	13
115	A high-temperature Raman spectroscopic investigation of the potassium tetrasilicate in glassy, supercooled, and liquid states. <i>Journal of Chemical Physics</i> , 2006, 125, 164502.	3.0	29
116	Nano-scale annealing-induced structural changes in As-rich pulsed laser deposited $\text{As}_x\text{Se}_{100-x}$ films studied by XPS. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1520-1524.	3.1	13
117	Pressure dependence of the Boson peak in glassy $\text{As}_2\text{S}_3$ studied by Raman scattering. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4594-4600.	3.1	47
118	A low-frequency Raman study of glassy, supercooled and molten silica and the preservation of the Boson peak in the equilibrium liquid state. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4619-4624.	3.1	36
119	On the analysis of the vibrational Boson peak and low-energy excitations in glasses. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4541-4551.	3.1	50
120	Poisson's ratio and liquid's fragility. <i>Nature</i> , 2006, 442, E7-E8.	27.8	27
121	Dynamic light scattering study of an amelogenin gel-like matrix <i>in vitro</i> . <i>European Journal of Oral Sciences</i> , 2006, 114, 308-314.	1.5	15
122	Is there a sex difference in IQ scores? (Reply). <i>Nature</i> , 2006, 442, E1-E2.	27.8	62
123	A temperature dependence Raman study of the $0.1\text{Nb}_2\text{O}_5 \cdot 0.9\text{TeO}_2$ glass-forming system. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 725-731.	4.0	50
124	Comment on "Collective dynamics in crystalline polymorphs of $\text{ZnCl}_2$ : potential modelling and inelastic neutron scattering study" by A Sen, Mala N Rao, R Mittal and S L Chaplot 2005]. <i>Phys.: Condens. Matter</i> 17 6179. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 6429-6430.	1.8	0
125	Pressure Raman study of vibrational modes of glassy $\text{As}_2\text{X}_3$ (X: O, S). <i>High Pressure Research</i> , 2006, 26, 401-406.	1.2	3
126	On the extent of polymerization of liquid sulfur at very high temperatures. <i>Journal of Chemical Physics</i> , 2006, 124, 146101.	3.0	5



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127	Temperature-induced structural changes in glassy, supercooled, and molten silica from 77 to 2150 K. <i>Journal of Chemical Physics</i> , 2006, 124, 014504.	3.0	74
128	Raman scattering study of the a-GeTe structure and possible mechanism for the amorphous to crystal transition. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 965-979.	1.8	186
129	Rounding effects on doped sulfur's living polymerization: The case of As and Se. <i>Physical Review B</i> , 2005, 72, .	3.2	16
130	Why Phase-Change Media Are Fast and Stable: A New Approach to an Old Problem. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 3345-3349.	1.5	55
131	A Novel Thermo-thickening Phenomenon Exhibited by a Triblock Polyampholyte in Aqueous Salt-Free Solutions. <i>Macromolecules</i> , 2005, 38, 2883-2888.	4.8	38
132	High Frequency Dynamics in a Monatomic Glass. <i>Physical Review Letters</i> , 2004, 92, 025503.	7.8	46
133	Temperature dependence of the medium-range structural order in glassy and supercooled selenium: An experimental investigation. <i>Physical Review B</i> , 2004, 69, .	3.2	15
134	Crystallization-induced short-range order changes in amorphous GeTe. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S5103-S5108.	1.8	58
135	Raman scattering study on structural and dynamical features of noncrystalline selenium. <i>Journal of Chemical Physics</i> , 2004, 121, 4747-4758.	3.0	149
136	Response to "Comment on "Probing in situ the sulfur polymerization transition with Raman spectroscopy" [J. Chem. Phys. 121, 6573 (2004)]. <i>Journal of Chemical Physics</i> , 2004, 121, 6575-6577.	3.0	4
137	"Rounding" of the sulfur living polymerization transition under spatial confinement. <i>Journal of Chemical Physics</i> , 2003, 119, 7543-7553.	3.0	19
138	Raman spectra and microscopic dynamics of bulk and confined salol. <i>Journal of Molecular Structure</i> , 2003, 651-653, 475-483.	3.6	26
139	Intramolecular structural model for photoinduced plasticity in chalcogenide glasses. <i>Physical Review B</i> , 2003, 68, .	3.2	26
140	Probing the sulfur polymerization transition in situ with Raman spectroscopy. <i>Journal of Chemical Physics</i> , 2003, 118, 8460-8467.	3.0	69
141	Short-time dynamics of glass-forming liquids: Phenyl salicylate (salol) in bulk liquid, dilute solution, and confining geometries. <i>Journal of Chemical Physics</i> , 2003, 118, 8340-8349.	3.0	41
142	Inelastic light scattering from $x\text{CaO} \cdot (1-x)\text{SiO}_2$ glasses. <i>Journal of Non-Crystalline Solids</i> , 2003, 322, 35-40.	3.1	12
143	Structural investigations of the $x\text{ZnCl}_2 \cdot (1-x)\text{AlCl}_3$ glass-forming system: a Raman spectroscopic study. <i>Journal of Non-Crystalline Solids</i> , 2003, 326-327, 109-114.	3.1	4
144	Structure and vibrational modes of sulfur around the $\hat{\nu}$ -transition and the glass-transition. <i>Journal of Non-Crystalline Solids</i> , 2003, 326-327, 115-119.	3.1	20

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145	Temperature induced changes on the structure and the dynamics of the tetrahedral glasses and melts of ZnCl <sub>2</sub> and ZnBr <sub>2</sub> . Journal of Chemical Physics, 2003, 118, 3197-3214.	3.0	64
146	High frequency acoustic modes in vitreous beryllium fluoride probed by inelastic x-ray scattering. Journal of Chemical Physics, 2003, 118, 311-316.	3.0	8
147	Spectral features of the quasielastic line in amorphous solids and supercooled liquids: A detailed low-frequency Raman scattering study. Physical Review E, 2002, 65, 021510.	2.1	18
148	Light Scattering from Glass-forming Molten Salts. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 65-70.	1.5	0
149	Light Scattering from Glass-forming Molten Salts. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 65-70.	1.5	3
150	Light Scattering from Molten Salts: Structure and Dynamics. , 2002, , 47-106.		19
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