

Georgios D Chryssikos

List of Publications by Year in descending order

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88
papers

4,848
citations

108046

37
h-index

107981

68
g-index

88
all docs

88
docs citations

88
times ranked

3629
citing authors

#	ARTICLE	IF	CITATIONS
19	A combined synchrotron powder diffraction and vibrational study of the thermal treatment of palygorskite to produce Maya blue. <i>Journal of Materials Science</i> , 2009, 44, 5524-5536.	1.7	87
20	Octahedral cation distribution in palygorskite. <i>American Mineralogist</i> , 2009, 94, 200-203.	0.9	65
21	Bone diagenesis: New data from infrared spectroscopy and X-ray diffraction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 266, 168-174.	1.0	99
22	Non-contact detection of ciprofloxacin in a model anterior chamber using Raman spectroscopy. <i>Journal of Biomedical Optics</i> , 2007, 12, 034005.	1.4	8
23	Dogfish egg case structural studies by ATR FT-IR and FT-Raman spectroscopy. <i>International Journal of Biological Macromolecules</i> , 2007, 41, 102-108.	3.6	13
24	Combined Near-infrared and X-ray Diffraction Investigation of the Octahedral Sheet Composition of Palygorskite. <i>Clays and Clay Minerals</i> , 2007, 55, 543-553.	0.6	48
25	In situ high-throughput study of drug polymorphism under controlled temperature and humidity using FT-IR spectroscopic imaging. <i>Vibrational Spectroscopy</i> , 2007, 43, 221-226.	1.2	38
26	Molecular interactions between dimethoxycurcumin and Pamam dendrimer carriers. <i>International Journal of Pharmaceutics</i> , 2007, 339, 231-236.	2.6	50
27	On the structure of palygorskite by mid- and near-infrared spectroscopy. <i>American Mineralogist</i> , 2006, 91, 1125-1133.	0.9	84
28	Amyloid fibril formation propensity is inherent into the hexapeptide tandemly repeating sequence of the central domain of silkworm chorion proteins of the A-family. <i>Journal of Structural Biology</i> , 2006, 156, 480-488.	1.3	39
29	Polymorphism and devitrification of nifedipine under controlled humidity: a combined FT-Raman, IR and Raman microscopic investigation. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 353-359.	1.2	84
30	Diblock copolymer adsorption from the aqueous micellar phase to solid surfaces: real time monitoring by ATR spectroscopy in the mid-infrared. <i>Macromolecular Symposia</i> , 2004, 205, 117-128.	0.4	1
31	FT-Raman spectroscopy as diagnostic tool of Congo red binding to amyloids. <i>Biopolymers</i> , 2003, 72, 185-192.	1.2	12
32	Use of NIR for structural characterization of urea-formaldehyde resins. <i>International Journal of Adhesion and Adhesives</i> , 2003, 23, 473-484.	1.4	54
33	Use of FT-NIR spectroscopy for on-line monitoring of formaldehyde-based resin synthesis. <i>European Polymer Journal</i> , 2003, 39, 1533-1540.	2.6	39
34	Cation Mass Dependence of the Nearly Constant Dielectric Loss in Alkali Triborate Glasses. <i>Physical Review Letters</i> , 2002, 88, 125902.	2.9	46
35	Origin and properties of the nearly constant loss in crystalline and glassy ionic conductors. <i>Journal of Non-Crystalline Solids</i> , 2002, 307-310, 1024-1030.	1.5	16
36	Soft cuticle protein secondary structure as revealed by FT-Raman, ATR FT-IR and CD spectroscopy. <i>Insect Biochemistry and Molecular Biology</i> , 2001, 31, 877-885.	1.2	48

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37	Amyloid-like fibrils from an 18-residue peptide analogue of a part of the central domain of the B-family of silkworm chorion proteins. FEBS Letters, 2001, 499, 268-273.	1.3	30
38	Spectroscopic investigation of AgI-doped borate glasses. Solid State Ionics, 2000, 136-137, 1031-1039.	1.3	24
39	Secondary Structure of Chorion Proteins of the Teleostean Fish Dentex dentex by ATR FT-IR and FT-Raman Spectroscopy. Journal of Structural Biology, 2000, 132, 112-122.	1.3	53
40	Polarized Resonance Raman and FTIR Reflectance Spectroscopic Investigation of the Molecular Orientation in Industrial Poly(vinyl chloride) Specimens. Macromolecules, 2000, 33, 5613-5623.	2.2	49
41	Crystal Structure and Vibrational Spectra of Li ₂ BAlO ₄ . Journal of Solid State Chemistry, 1999, 142, 214-219.	1.4	12
42	Structure of fast-ion-conducting AgI-doped borate glasses in bulk and thin film forms. Physical Review B, 1999, 60, 3885-3898.	1.1	60
43	Alkali sites in glass. Solid State Ionics, 1998, 105, 75-85.	1.3	77
44	Laser-Raman and FT-IR spectroscopic studies of peptide-analogues of silkworm chorion protein segments. International Journal of Biological Macromolecules, 1998, 23, 49-59.	3.6	24
45	Dielectric and structural investigation of alkali triborate glasses. Journal of Non-Crystalline Solids, 1998, 235-237, 761-765.	1.5	43
46	Basicity Variation in Network Oxides: Distribution of Metal Ion Sites in Borate Glass Systems. Journal of Physical Chemistry B, 1997, 101, 4188-4192.	1.2	27
47	Vibrational investigation of lithium metaborate-metaaluminate glasses and crystals. Journal of Non-Crystalline Solids, 1997, 217, 278-290.	1.5	69
48	Towards a structural interpretation of fragility and decoupling trends in borate systems. Journal of Non-Crystalline Solids, 1996, 196, 244-248.	1.5	31
49	Metal ion sites in oxide glasses Relation to glass basicity and ion transport. Journal of Non-Crystalline Solids, 1996, 196, 249-254.	1.5	42
50	Effect of Li ₂ SO ₄ on the structure of Li ₂ O-B ₂ O ₃ glasses. Journal of Non-Crystalline Solids, 1996, 202, 222-232.	1.5	45
51	A comprehensive view of the local structure around Rb in rubidium germanate glasses. Journal of Non-Crystalline Solids, 1996, 203, 320-328.	1.5	22
52	Raman and Infrared Structural Investigation of Rb ₂ O·(1-x)GeO ₂ Glasses. The Journal of Physical Chemistry, 1996, 100, 11755-11765.	2.9	136
53	X-ray diffraction and infrared investigation of R _{0.5} Pr _{0.5} Ba ₂ Cu ₃ O ₇ and R _{0.5} Pr _{0.5} Ba ₂ Cu ₃ O ₇ compounds (R ²⁺ →Y and Tj) ETQq1 1 0.784314 rgBT	0.6	83
54	A structural assessment of glass formation in alkali borates: Melt quenching versus gel drying. Journal of Materials Science Letters, 1995, 14, 268-270.	0.5	7

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55	Spectroscopic studies of <i>Manduca sexta</i> and <i>Sesamia nonagrioides</i> chorion protein structure. <i>International Journal of Biological Macromolecules</i> , 1995, 17, 93-98.	3.6	15
56	Structure and Optical Conductivity of Silver Thiogermanate Glasses. <i>Journal of Solid State Chemistry</i> , 1994, 112, 255-261.	1.4	48
57	Lithium-sodium metaborate glasses: structural aspects and vitrification chemistry. <i>Journal of Non-Crystalline Solids</i> , 1994, 167, 92-105.	1.5	33
58	Lithium borate glasses: a quantitative study of strength and fragility. <i>Journal of Non-Crystalline Solids</i> , 1994, 172-174, 378-383.	1.5	58
59	Chemical relaxations of ionically conducting glasses. <i>Journal of Molecular Liquids</i> , 1993, 56, 349-357.	2.3	3
60	Infrared reflectance investigation of alkali diborate glasses. <i>Journal of Non-Crystalline Solids</i> , 1993, 152, 246-257.	1.5	151
61	The glass transition temperature of lithium-alkali borates. <i>Journal of Non-Crystalline Solids</i> , 1991, 134, 277-286.	1.5	16
62	Chemical relaxations at the glass transition of a lithium conducting glass. <i>Journal of Non-Crystalline Solids</i> , 1991, 131-133, 1068-1071.	1.5	15
63	Evidence from vibrational spectroscopy for cluster and tissue pseudophases in glass. <i>Journal of Non-Crystalline Solids</i> , 1991, 131-133, 1089-1091.	1.5	29
64	Lithium conducting borate glasses: evidence for two broad distributions of cation-hosting environments. <i>Journal of Non-Crystalline Solids</i> , 1991, 131-133, 1092-1095.	1.5	25
65	Bond length-Raman frequency correlations in borate crystals. <i>Journal of Raman Spectroscopy</i> , 1991, 22, 645-650.	1.2	49
66	A classification of metaborate crystals based on Raman spectroscopy. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1991, 47, 1117-1126.	0.1	31
67	Borate glass structure by Raman and infrared spectroscopies. <i>Journal of Molecular Structure</i> , 1991, 247, 1-16.	1.8	246
68	On the structure of alkali borate glasses approaching the orthoborate composition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1990, 7, 1-4.	1.7	29
69	New insights into the structure of alkali borate glasses. <i>Journal of Non-Crystalline Solids</i> , 1990, 123, 283-285.	1.5	23
70	The devitrification of lithium metaborate: polymorphism and glass formation. <i>Journal of Non-Crystalline Solids</i> , 1990, 126, 42-51.	1.5	82
71	Infrared reflectance spectra of lithium borate glasses. <i>Journal of Non-Crystalline Solids</i> , 1990, 126, 52-67.	1.5	630
72	Laser-induced crystallization of glassy caesium metaborate studied by Raman spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1990, 116, 115-122.	1.5	19

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73	Time domain reflection methods for dielectric measurements to 10 GHz. Journal of Applied Physics, 1989, 66, 793-802.	1.1	306
74	Dielectric relaxation propylene glycol-water solutions from 10MHz to 10GHz. Journal of Molecular Liquids, 1989, 43, 53-69.	2.3	25
75	Far-infrared spectra of binary alkali borate glasses. Solid State Ionics, 1988, 28-30, 687-692.	1.3	21
76	Time domain reflectometry study of fast ionic conducting glasses. Journal of Chemical Physics, 1988, 89, 612-614.	1.2	1
77	A Raman investigation of cadmium borate and borogermanate glasses. Journal of Non-Crystalline Solids, 1987, 93, 155-168.	1.5	46
78	Cation-network interactions in binary alkali metal borate glasses. A far-infrared study. The Journal of Physical Chemistry, 1987, 91, 5807-5813.	2.9	87
79	Vibrational spectra of magnesium-sodium-borate glasses. 2. Raman and mid-infrared investigation of the network structure. The Journal of Physical Chemistry, 1987, 91, 1073-1079.	2.9	584
80	Vibrational spectra of magnesium-sodium-borate glasses. 1. Far-infrared investigation of the cation-site interactions. The Journal of Physical Chemistry, 1987, 91, 1067-1073.	2.9	73
81	Electrical conduction in cadmium germanate glasses. Solid State Communications, 1987, 63, 615-618.	0.9	3
82	Synthesis and structural studies of novel cadmium germanate glasses. Solid State Communications, 1987, 63, 611-613.	0.9	4
83	Infrared study of cadmium borogermanate glasses. Journal of Non-Crystalline Solids, 1986, 85, 54-68.	1.5	13
84	An NMR study of the photoconducting glass systems CdO^- , B_2O_3^- , GeO_2 and CdO^- , B_2O_3^- , SiO_2 . Journal of Non-Crystalline Solids, 1986, 85, 69-78.	1.5	35
85	Time domain dielectric measurements of conducting glasses. Journal of Chemical Physics, 1986, 84, 6518-6519.	1.2	4
86	Far-infrared spectra of magnesium-sodium-borate glasses. Solid State Communications, 1986, 60, 885-888.	0.9	5
87	A vibrational study of lithium sulfate based fast ionic conducting borate glasses. The Journal of Physical Chemistry, 1986, 90, 4528-4533.	2.9	81
88	Oxygen adsorption on silver in polyfluorocarbon sulfonic acid (Nafion) films. Journal of Catalysis, 1985, 93, 430-441.	3.1	7