Georgios D Chryssikos

List of Publications by Year
in descending order

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88	4,848	94433 37	95266 68
papers	citations	h-index	g-index

88	88	88	3304
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intercalation of N-methylformamide in kaolinite: In situ monitoring by near-infrared spectroscopy and X-ray diffraction. Applied Clay Science, 2021, 212, 106209.	5.2	4
2	Geochemical and mineralogical characterization of smectites from the Ventzia basin, western Macedonia, Greece. Clay Minerals, 2019, 54, 95-107.	0.6	8
3	Smectite in bentonite: Near infrared systematics and estimation of layer charge. Applied Clay Science, 2018, 160, 81-87.	5.2	7
4	The Nature of Laponite: Pure Hectorite or a Mixture of Different Trioctahedral Phases?. Minerals (Basel, Switzerland), 2018, 8, 314.	2.0	35
5	The charge of wettable illite-smectite surfaces measured with the O-D method. Applied Clay Science, 2018, 161, 354-363.	5.2	7
6	Tracking the amyloidogenic core of IAPP amyloid fibrils: Insights from micro-Raman spectroscopy. Journal of Structural Biology, 2017, 199, 140-152.	2.8	9
7	Modern Infrared and Raman Instrumentation and Sampling Methods. Developments in Clay Science, 2017, 8, 34-63.	0.5	3
8	Structure and Dynamics of Waterâ€"Smectite Interfaces: Hydrogen Bonding and the Origin of the Sharp O-D_w/Oâ€"H_w Infrared Band From Molecular Simulations. Clays and Clay Minerals, 2016, 64, 452-471.	1.3	32
9	Measuring the Layer Charge of Dioctahedral Smectite by Oâ€"D Vibrational Spectroscopy. Clays and Clay Minerals, 2015, 63, 443-456.	1.3	23
10	Revisiting the Infrared Spectrum of the Waterâ€"Smectite Interface. Clays and Clay Minerals, 2015, 63, 15-29.	1.3	56
11	Near-infrared investigation of folding sepiolite. American Mineralogist, 2015, 100, 195-202.	1.9	14
12	Comment to the paper: Identification of indigoid compounds present in archaeological Maya blue by pyrolysis-silylation-gas chromatographyâ€“mass spectrometry (M.T. DomÃ©nech-CarbÃ³, L. Osete-Cortina,) Tj ETQq0 0 0 rgBT /Overloc	5.5	2
13	Synchronous ATR infrared and NIR-spectroscopy investigation of sepiolite upon drying. Vibrational Spectroscopy, 2013, 68, 51-60.	2.2	35
14	Structural Characterization of Reduced-Charge Montmorillonites. Evidence Based on FTIR Spectroscopy, Thermal Behavior, and Layer-Charge Systematics. Clays and Clay Minerals, 2013, 61, 83-97.	1.3	22
15	Vibrational investigation of indigoâ€“palygorskite association(s) in synthetic Maya blue. Journal of Materials Science, 2012, 47, 3415-3428.	3.7	35
16	Trioctahedral entities in palygorskite: Near-infrared evidence for sepiolite-palygorskite polysomatism. European Journal of Mineralogy, 2011, 23, 567-576.	1.3	25
17	Complexation of Lysozyme with Poly(sodium(sulfamate-carboxylate)isoprene). Biomacromolecules, 2011, 12, 1697-1706.	5.4	38
18	Secondary structure of chorion proteins of the Lepidoptera Pericallia ricini and Ariadne merione by ATR FT-IR and micro-Raman spectroscopy. International Journal of Biological Macromolecules, 2011, 49, 317-322.	7.5	31

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19	A combined synchrotron powder diffraction and vibrational study of the thermal treatment of palygorskiteâ€“indigo to produce Maya blue. Journal of Materials Science, 2009, 44, 5524-5536.	3.7	87
20	Octahedral cation distribution in palygorskite. American Mineralogist, 2009, 94, 200-203.	1.9	65
21	Bone diagenesis: New data from infrared spectroscopy and X-ray diffraction. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 266, 168-174.	2.3	99
22	Non-contact detection of ciprofloxacin in a model anterior chamber using Raman spectroscopy. Journal of Biomedical Optics, 2007, 12, 034005.	2.6	8
23	Dogfish egg case structural studies by ATR FT-IR and FT-Raman spectroscopy. International Journal of Biological Macromolecules, 2007, 41, 102-108.	7.5	13
24	Combined Near-infrared and X-ray Diffraction Investigation of the Octahedral Sheet Composition of Palygorskite. Clays and Clay Minerals, 2007, 55, 543-553.	1.3	48
25	In situ high-throughput study of drug polymorphism under controlled temperature and humidity using FT-IR spectroscopic imaging. Vibrational Spectroscopy, 2007, 43, 221-226.	2.2	38
26	Molecular interactions between dimethoxycurcumin and Pamam dendrimer carriers. International Journal of Pharmaceutics, 2007, 339, 231-236.	5.2	50
27	On the structure of palygorskite by mid- and near-infrared spectroscopy. American Mineralogist, 2006, 91, 1125-1133.	1.9	84
28	Amyloid fibril formation propensity is inherent into the hexapeptide tandemly repeating sequence of the central domain of silkmoth chorion proteins of the A-family. Journal of Structural Biology, 2006, 156, 480-488.	2.8	39
29	Polymorphism and devitrification of nifedipine under controlled humidity: a combined FT-Raman, IR and Raman microscopic investigation. Journal of Raman Spectroscopy, 2004, 35, 353-359.	2.5	84
30	Diblock copolymer adsorption from the aqueous micellar phase to solid surfaces: real time monitoring by ATR spectroscopy in the mid-infrared. Macromolecular Symposia, 2004, 205, 117-128.	0.7	1
31	FT-Raman spectroscopy as diagnostic tool of Congo red binding to amyloids. Biopolymers, 2003, 72, 185-192.	2.4	12
32	Use of NIR for structural characterization of ureaâ€“formaldehyde resins. International Journal of Adhesion and Adhesives, 2003, 23, 473-484.	2.9	54
33	Use of FT-NIR spectroscopy for on-line monitoring of formaldehyde-based resin synthesis. European Polymer Journal, 2003, 39, 1533-1540.	5.4	39
34	Cation Mass Dependence of the Nearly Constant Dielectric Loss in Alkali Triborate Glasses. Physical Review Letters, 2002, 88, 125902.	7.8	46
35	Origin and properties of the nearly constant loss in crystalline and glassy ionic conductors. Journal of Non-Crystalline Solids, 2002, 307-310, 1024-1030.	3.1	16
36	â€œSoftâ€•cuticle protein secondary structure as revealed by FT-Raman, ATR FT-IR and CD spectroscopy. Insect Biochemistry and Molecular Biology, 2001, 31, 877-885.	2.7	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 silkmoth chorion proteins. FEBS Letters, 2001, 499, 268-273.	2.8	30
38	Spectroscopic investigation of AgI-doped borate glasses. Solid State Ionics, 2000, 136-137, 1031-1039.	2.7	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.	2.8	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.	4.8	49
41	Crystal Structure and Vibrational Spectra of Li2BAlO4. Journal of Solid State Chemistry, 1999, 142, 214-219.	2.9	12
42	Structure of fast-ion-conducting AgI-doped borate glasses in bulk and thin film forms. Physical Review B, 1999, 60, 3885-3898.	3.2	60
43	Alkali sites in glass. Solid State Ionics, 1998, 105, 75-85.	2.7	77
44	Laser-Raman and FT-IR spectroscopic studies of peptide-analogues of silkmoth chorion protein segments. International Journal of Biological Macromolecules, 1998, 23, 49-59.	7.5	24
45	Dielectric and structural investigation of alkali triborate glasses. Journal of Non-Crystalline Solids, 1998, 235-237, 761-765.	3.1	43
46	Basicity Variation in Network Oxides:â€‰ Distribution of Metal Ion Sites in Borate Glass Systems. Journal of Physical Chemistry B, 1997, 101, 4188-4192.	2.6	27
47	Vibrational investigation of lithium metaborate-metaaluminate glasses and crystals. Journal of Non-Crystalline Solids, 1997, 217, 278-290.	3.1	69
48	Towards a structural interpretation of fragility and decoupling trends in borate systems. Journal of Non-Crystalline Solids, 1996, 196, 244-248.	3.1	31
49	Metal ion sites in oxide glasses Relation to glass basicity and ion transport. Journal of Non-Crystalline Solids, 1996, 196, 249-254.	3.1	42
50	Effect of Li2SO4 on the structure of Li2Oî—¸B2O3 glasses. Journal of Non-Crystalline Solids, 1996, 202, 222-232.	3.1	45
51	A comprehensive view of the local structure around Rb in rubidium germanate glasses. Journal of Non-Crystalline Solids, 1996, 203, 320-328.	3.1	22
52	Raman and Infrared Structural Investigation ofxRb2OÂ·(1 â^'x)GeO2Glasses. The Journal of Physical Chemistry, 1996, 100, 11755-11765.	2.9	136
53	X-ray diffraction and infrared investigation of RBa2Cu3O7 and R0.5Pr0.5Ba2Cu3O7 compounds (Rî—»Y and) Tj ETQq1 1 0.784314 rg	1.2	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 Manduca sexta and Sesamia nonagrioides chorion protein structure. International Journal of Biological Macromolecules, 1995, 17, 93-98.	7.5	15
56	Structure and Optical Conductivity of Silver Thiogermanate Glasses. Journal of Solid State Chemistry, 1994, 112, 255-261.	2.9	48
57	Lithium-sodium metaborate glasses: structural aspects and vitrification chemistry. Journal of Non-Crystalline Solids, 1994, 167, 92-105.	3.1	33
58	Lithium borate glasses: a quantitative study of strength and fragility. Journal of Non-Crystalline Solids, 1994, 172-174, 378-383.	3.1	58
59	Chemical relaxations of ionically conducting glasses. Journal of Molecular Liquids, 1993, 56, 349-357.	4.9	3
60	Infrared reflectance investigation of alkali diborate glasses. Journal of Non-Crystalline Solids, 1993, 152, 246-257.	3.1	151
61	The glass transition temperature of lithium-alkali borates. Journal of Non-Crystalline Solids, 1991, 134, 277-286.	3.1	16
62	Chemical relaxations at the glass transition of a lithium conducting glass. Journal of Non-Crystalline Solids, 1991, 131-133, 1068-1071.	3.1	15
63	Evidence from vibrational spectroscopy for cluster and tissue pseudophases in glass. Journal of Non-Crystalline Solids, 1991, 131-133, 1089-1091.	3.1	29
64	Lithium conducting borate glasses: evidence for two broad distributions of cation-hosting environments. Journal of Non-Crystalline Solids, 1991, 131-133, 1092-1095.	3.1	25
65	Bond length-Raman frequency correlations in borate crystals. Journal of Raman Spectroscopy, 1991, 22, 645-650.	2.5	49
66	A classification of metaborate crystals based on Raman spectroscopy. Spectrochimica Acta Part A: Molecular Spectroscopy, 1991, 47, 1117-1126.	0.1	31
67	Borate glass structure by Raman and infrared spectroscopies. Journal of Molecular Structure, 1991, 247, 1-16.	3.6	246
68	On the structure of alkali borate glasses approaching the orthoborate composition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1990, 7, 1-4.	3.5	29
69	New insights into the structure of alkali borate glasses. Journal of Non-Crystalline Solids, 1990, 123, 283-285.	3.1	23
70	The devitrification of lithium metaborate: polymorphism and glass formation. Journal of Non-Crystalline Solids, 1990, 126, 42-51.	3.1	82
71	Infrared reflectance spectra of lithium borate glasses. Journal of Non-Crystalline Solids, 1990, 126, 52-67.	3.1	630
72	Laser-induced crystallization of glassy caesium metaborate studied by Raman spectroscopy. Journal of Non-Crystalline Solids, 1990, 116, 115-122.	3.1	19

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73	Time domain reflection methods for dielectric measurements to 10 GHz. Journal of Applied Physics, 1989, 66, 793-802.	2.5	306
74	Dielectric relaxation propylene glycol-water solutions from 10MHz to 10GHz. Journal of Molecular Liquids, 1989, 43, 53-69.	4.9	25
75	Far-infrared spectra of binary alkali borate glasses. Solid State Ionics, 1988, 28-30, 687-692.	2.7	21
76	Time domain reflectometry study of fastâ€ionicâ€conducting glasses. Journal of Chemical Physics, 1988, 89, 612-614.	3.0	1
77	A Raman investigation of cadmium borate and borogermanate glasses. Journal of Non-Crystalline Solids, 1987, 93, 155-168.	3.1	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.	1.9	3
82	Synthesis and structural studies of novel cadmium germanate glasses. Solid State Communications, 1987, 63, 611-613.	1.9	4
83	Infrared study of cadmium borogermanate glasses. Journal of Non-Crystalline Solids, 1986, 85, 54-68.	3.1	13
84	An NMR study of the photoconducting glass systems CdOî—¸B2O3î—¸GeO2 and CdOî—¸B2O3î—¸SiO2. Journal of Non-Crystalline Solids, 1986, 85, 69-78.	3.1	35
85	Time domain dielectric measurements of conducting glasses. Journal of Chemical Physics, 1986, 84, 6518-6519.	3.0	4
86	Far-infrared spectra of magnesium-sodium-borate glasses. Solid State Communications, 1986, 60, 885-888.	1.9	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.	6.2	7