

# Athanassios Chrissanthopoulos

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,239  
citations

361388

20  
h-index

377849

34  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical and dielectric properties of ZnO/PVA nanocomposites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 2033-2037.	1.8	105
2	Preparation of ZnO nanoparticles by thermal decomposition of zinc alginate. <i>Thin Solid Films</i> , 2007, 515, 8461-8464.	1.8	99
3	Synthesis and characterization of ZnO/NiO p-n heterojunctions: ZnO nanorods grown on NiO thin film by thermal evaporation. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2011, 9, 132-139.	2.0	98
4	Novel ZnO nanostructures grown on carbon nanotubes by thermal evaporation. <i>Thin Solid Films</i> , 2007, 515, 8524-8528.	1.8	86
5	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> . <i>Journal of Chemical Physics</i> , 2003, 118, 3197-3214.	3.0	64
6	Enhanced Raman gain of Ge-Ga-Sb-S chalcogenide glass for highly nonlinear microstructured optical fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 2284.	2.1	56
7	Effect of cluster size of chalcogenide glass nanocolloidal solutions on the surface morphology of spin-coated amorphous films. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	54
8	Vibrational spectroscopic and computational studies of sol-gel derived Ca-Mg-SiO <sub>2</sub> binary and ternary bioactive glasses. <i>Vibrational Spectroscopy</i> , 2008, 48, 118-125.	2.2	48
9	Probing the structure of GdCl <sub>3</sub> -KCl melt mixtures by electronic absorption spectroscopy of the hypersensitive f-f transitions of Ho <sup>3+</sup> and by Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 3709-3714.	2.8	45
10	Effect of silver doping on the structure and phase separation of sulfur-rich As-S glasses: Raman and SEM studies. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 2010-2014.	3.1	43
11	Temperature dependence of the f-f hypersensitive transitions of Ho <sup>3+</sup> and Nd <sup>3+</sup> in molten salt solvents and the structure of the LaCl <sub>3</sub> -KCl melts. <i>Journal of Molecular Structure</i> , 2006, 782, 130-142.	3.6	33
12	Vanadium (V) complexes in molten salts of interest for the catalytic oxidation of sulphur dioxide. <i>Catalysis Letters</i> , 1997, 48, 145-150.	2.6	32
13	Silicate Glasses at the Ionic Limit: Alkaline-Earth Sub-Orthosilicates. <i>Chemistry of Materials</i> , 2011, 23, 3692-3697.	6.7	32
14	Vibrational dynamics and surface structure of amorphous selenium. <i>Nature Communications</i> , 2011, 2, 195.	12.8	32
15	The influence of Au film thickness and annealing conditions on the VLS-assisted growth of ZnO nanostructures. <i>Nanotechnology</i> , 2014, 25, 215601.	2.6	32
16	Calcite overgrowth on carboxylated polymers. <i>Journal of Crystal Growth</i> , 2003, 253, 496-503.	1.5	28
17	Catalytic Activity and Deactivation of SO <sub>2</sub> Oxidation Catalysts in Simulated Power Plant Flue Gases. <i>Journal of Catalysis</i> , 1997, 166, 16-24.	6.2	25
18	Structure of Vanadium Oxosulfato Complexes in V <sub>2</sub> O <sub>5</sub> -M <sub>2</sub> S <sub>2</sub> O <sub>7</sub> -M <sub>2</sub> SO <sub>4</sub> (M = K, Cs) Melts. A High Temperature Spectroscopic Study. <i>Journal of Physical Chemistry B</i> , 2002, 106, 49-56.	2.6	25

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19	The overgrowth of hydroxyapatite on new functionalized polymers. <i>Journal of Crystal Growth</i> , 2003, 255, 163-169.	1.5	25
20	Vibrational modes and structure of the LaCl <sub>3</sub> CsCl melts. <i>Vibrational Spectroscopy</i> , 2006, 40, 110-117.	2.2	25
21	Stability and physicochemical characterization of novel milk-based oral formulations. <i>International Journal of Pharmaceutics</i> , 2013, 444, 128-138.	5.2	21
22	Structure of AgI-doped Ge-In-S glasses: Experiment, reverse Monte Carlo modelling, and density functional calculations. <i>Journal of Solid State Chemistry</i> , 2012, 192, 7-15.	2.9	18
23	Structural Investigation of Vanadium-Sodium Metaphosphate Glasses. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2001, 56, 773-776.	1.5	14
24	Novel composites materials from functionalized polymers and silver coated titanium oxide capable for calcium phosphate induction, control of orthopedic biofilm infections: an <i>in vitro</i> study. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2201-2211.	3.6	14
25	Frequency-dependence of the polarizability anisotropy of CO <sub>2</sub> revisited. <i>Journal of Molecular Structure</i> , 2000, 526, 323-328.	3.6	13
26	The overgrowth of calcium carbonate hexahydrate on new functionalized polymers. <i>Journal of Crystal Growth</i> , 2002, 242, 233-238.	1.5	11
27	ZnO/zeolite hybrid nanostructures: synthesis, structure, optical properties, and simulation. <i>Thin Solid Films</i> , 2014, 555, 21-27.	1.8	11
28	Calcite crystallization on oxadiazole-terpyridine copolymer. <i>Journal of Crystal Growth</i> , 2005, 280, 594-601.	1.5	10
29	The Effect of Collagen Cross-Linking Procedure on the Material of Intracorneal Ring Segments. <i>Current Eye Research</i> , 2015, 40, 592-597.	1.5	10
30	Electric dipole moment and polarizability of ScF. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 121-125.	1.5	9
31	Synthesis and antiproliferative activity of two diastereomeric lignan amides serving as dimeric caffeic acid-l-DOPA hybrids. <i>Bioorganic Chemistry</i> , 2016, 66, 132-144.	4.1	9
32	A Known Iron(II) Complex in Different Nanosized Particles: Variable-Temperature Raman Study of Its Spin-Crossover Behavior. <i>Inorganic Chemistry</i> , 2019, 58, 5183-5195.	4.0	9
33	The Structure of Molten Rare-earth Iodide-Alkali Iodide Mixtures. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2005, 60, 739-748.	1.5	8
34	Crystallization of Hydroxyapatite on Oxadiazole-Based Homopolymers. <i>Crystal Growth and Design</i> , 2006, 6, 1547-1552.	3.0	8
35	Calcite particles formation, in the presence of soluble polyvinyl-alcohol matrix. <i>Powder Technology</i> , 2007, 177, 71-76.	4.2	8
36	The Ho(III) as structural probe for high temperature ionic liquids: RCl <sub>3</sub> (R=rare earth). <i>Journal of Molecular Structure</i> , 2008, 892, 93-102.	3.6	7

#	ARTICLE	IF	CITATIONS
37	Title is missing!. International Journal of Thermophysics, 2000, 21, 1439-1461.	2.1	6
38	Numerical investigation of methane combustion under mixed air-steam turbine conditionsâ€”FLAMESEEK. Applied Thermal Engineering, 2004, 24, 1607-1618.	6.0	6
39	Understanding nucleation of calcium carbonate on gallium oxide using computer simulation. Journal of Crystal Growth, 2004, 264, 430-437.	1.5	6
40	Calcium phosphate crystallization on polyglycine, polytyrosine and polymethionine. Materials Letters, 2006, 60, 3874-3878.	2.6	6
41	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
42	A density functional investigation of the structural and vibrational properties of the highly symmetric molecules M4O6, M4O10 (M=P, As, Sb, Bi). Vibrational Spectroscopy, 2008, 48, 135-141.	2.2	5
43	Influence of thermal history on the photostructural changes in glassy As15S85 studied by Raman scattering and <i>ab initio</i> calculations. Journal of Applied Physics, 2013, 114, .	2.5	4
44	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
45	Chelation therapy: The interaction of British Anti-Lewisite (BAL) with some heavy metal cations of p and d blocks. Main Group Chemistry, 2017, 16, 125-139.	0.8	4
46	Wet-Chemistry Assembly of One-Dimensional Nanowires: Switching Characteristics of a Known Spin-Crossover Iron(II) Complex Through Raman Spectroscopy. Chemical Communications, 2021, , .	4.1	4
47	Vapor complexation in the CsIâ€”HoI3 system up to 1300K and the fâ†f hypersensitive transition intensities of Ho(III) in different coordination geometries. Journal of Molecular Structure, 2007, 832, 38-47.	3.6	3
48	Optical Properties and Structure of Asâ€”Sb Chalcohalide Glasses by Raman Scattering and Density Functional Theory Calculations. Journal of Physical Chemistry B, 2020, 124, 2950-2960.	2.6	3
49	Peculiar behavior of the ester carbonyl vibrational modes in anisotropic aliphatic and semi-aromatic polyesters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 269, 120710.	3.9	3
50	Semiempirical molecular orbital study of glycine solvation and of binding calcium carbonate on glycine polypeptides. Journal of Computational Methods in Sciences and Engineering, 2007, 7, 75-84.	0.2	2
51	The Reaction of Bunsen's Cacodyl Disulfide, Me <sub>2</sub> As(S)â€”AsMe <sub>2</sub> , with Iodine: Preparation and Properties of Dimethylarsinosulphenyl Iodide, Me <sub>2</sub> Asâ€”Sâ€”I. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1340-1346.	1.2	2
52	ZnO Nanowires: Growth, Properties and Advantages. NATO Science for Peace and Security Series A: Chemistry and Biology, 2015, , 129-149.	0.5	2
53	ZnS deposition on oxadiazoleâ€”terpyridine copolymer. Journal of Applied Polymer Science, 2006, 101, 1913-1918.	2.6	1
54	Computer Simulation Study of Low Dimensional Structures of As-S Glasses. , 2009, , .		1

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55	Inhibition of hydroxyapatite formation in the presence of titanocene <sup>2+</sup> aminoacid complexes: an experimental and computational study. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 5341.	3.6	1
56	Computational study of structural, vibrational and electronic properties of the highly symmetric molecules M4S6 (M <sup>3+</sup> =P, As, Sb, Bi). <i>Computational and Theoretical Chemistry</i> , 2019, 1149, 41-48.	2.5	1
57	Complex dynamics in nanoscale phase separated supercooled liquids. <i>Physical Review Research</i> , 2020, 2, .	3.6	1
58	Zno Nanostructures Grown By Thermal Evaporation And Thermal Decomposition Methods. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2009, , 211-214.	0.3	1
59	Heterotrimetallic tetrathiomolybdate and tetrathiotungstate complexes of rhodium(I) and copper(I) with Rh-Mo(W)-Cu interactions. <i>Polyhedron</i> , 2021, 210, 115536.	2.2	0
60	Nanocolloidal Solutions of As <sup>2</sup> S Glasses and their Relation to the Surface Morphology of Spin-Coated Amorphous Films. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2009, , 361-364.	0.3	0