

Alain Bulou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2442570/publications.pdf>

Version: 2024-02-01

53
papers

896
citations

430874

18
h-index

501196

28
g-index

58
all docs

58
docs citations

58
times ranked

1121
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, structural characterization, and spectroscopic studies of bis-tetraethylammonium hexabromostannate $[N(C_2H_5)_4]_2SnBr_6$. Journal of Physics and Chemistry of Solids, 2022, , 110841.	4.0	1
2	3D characterization of individual grains of coexisting high-pressure H ₂ O ice phases by time-domain Brillouin scattering. Journal of Applied Physics, 2021, 130, .	2.5	7
3	Theoretical and experimental studies of Raman spectroscopy for the characterization of order-disorder transition of 1-adamantane-methanol compound. Vibrational Spectroscopy, 2021, 117, 103316.	2.2	1
4	Elastic anisotropy and single-crystal moduli of solid argon up to 64 ÅPa from time-domain Brillouin scattering. Physical Review B, 2019, 99, .	3.2	10
5	Evaluation of the Structural Phase Transition in Multiferroic $(Bi_{1-x}Pr_x)(Fe_{0.95}Mn_{0.05})O_3$ Thin Films by A Multi-Technique Approach Including Picosecond Laser Ultrasonics. Applied Sciences (Switzerland), 2019, 9, 736.	2.5	3
6	Electronic active defects and local order in doped ZnO ceramics inferred from EPR and ²⁷ Al NMR investigations. Journal of the European Ceramic Society, 2019, 39, 3070-3076.	5.7	20
7	Synthesis, structural characterization and spectroscopic studies of bis tetramethylammonium hexabromostannate $[N(CH_3)_4]_2SnBr_6$. Journal of Alloys and Compounds, 2019, 772, 546-556.	5.5	13
8	Supramolecular and heterometallic architectures based on $[Fe(CN)_6]^{3-}$ metallotectons and diverse organic cations: Crystal structure, Hirshfeld surface analysis, spectroscopic and thermal properties. Inorganica Chimica Acta, 2019, 486, 36-47.	2.4	4
9	Optical temperature sensing using green emissions of Er ³⁺ doped fluoro-tellurite glass. Sensors and Actuators A: Physical, 2017, 261, 235-242.	4.1	58
10	Supramolecular architecture based on $[Fe(CN)_6]^{3-}$ metallotectons and melaminium synthons. Journal of Molecular Structure, 2017, 1146, 409-416.	3.6	11
11	<i>In situ</i> imaging of the dynamics of photo-induced structural phase transition at high pressures by picosecond acoustic interferometry. New Journal of Physics, 2017, 19, 053026.	2.9	7
12	Longitudinal sound velocities, elastic anisotropy, and phase transition of high-pressure cubic Hf_2O_3 ice to 82 GPa. Physical Review B, 2017, 96, .	3.2	22
13	Structural characterization, vibrational spectroscopy accomplished with DFT calculation, thermal and dielectric behaviors in a new organic-inorganic tetrapropylammonium aquapentachlorostannate dihydrate compound. Journal of Alloys and Compounds, 2016, 679, 302-315.	5.5	30
14	Structural characterization, thermal, ac conductivity and dielectric properties of $(C_7H_{12}N_2)_2[SnCl_6] \cdot 1.5H_2O$. Phase Transitions, 2016, 89, 523-542.		
15	Picosecond laser ultrasonics for imaging of transparent polycrystalline materials compressed to megabar pressures. Ultrasonics, 2016, 69, 259-267.	3.9	19
16	Phase Transitions in the Ruddlesden-Popper Phase $Li_2CaTa_2O_7$: X-ray and Neutron Powder Thermo-diffraction, TEM, Raman, and SHG Experiments. Inorganic Chemistry, 2016, 55, 2309-2323.	4.0	12
17	A theoretical study on the molecular structure of new organic-inorganic bis-(4-acetylanilinium) tetrachloridozincate compound. Indian Journal of Physics, 2016, 90, 381-389.	1.8	4
18	Look-alike nanocorals. Materials Today, 2015, 18, 51-52.	14.2	1

#	ARTICLE	IF	CITATIONS
19	Synthesis, crystal structure and high temperature phase transition in the new organic-inorganic hybrid $[N(C_4H_9)_4]_3Zn_2Cl_7H_2O$ crystals. <i>Journal of Molecular Structure</i> , 2015, 1089, 153-160.	3.6	21
20	The decomposition of the layered double hydroxides of Co and Al: Phase segregation of a new single phase spinel oxide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 141, 80-87.	3.9	7
21	Crystal structure and spectroscopic studies of $LiNH_4(H_2PO_4)_2$ - A new solid acid in the LiH_2PO_4 - $NH_4H_2PO_4$ system. <i>Journal of Solid State Chemistry</i> , 2015, 230, 272-278.	2.9	4
22	Revealing sub- μm and μm -scale textures in H_2O ice at megabar pressures by time-domain Brillouin scattering. <i>Scientific Reports</i> , 2015, 5, 9352.	3.3	33
23	Synthesis, crystal structure, and vibrational study of $K_2Cu(HPO_4)_2 \cdot 6H_2O$: A new metal hydrogenphosphate compound. <i>Journal of Molecular Structure</i> , 2015, 1099, 181-188.	3.6	2
24	Raman scattering study of temperature induced phase transition in $[C_8H_{10}NO]_2 [ZnCl_4]$. <i>AIP Advances</i> , 2015, 5, 087127.	1.3	3
25	Raman scattering investigation of the high temperature phase transition in $[N(C_3H_7)_4]_2SnCl_6$. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 547-552.	3.9	14
26	Structure and characterization of the phase transition of the new organic-inorganic hybrid compound $[C_8H_{10}NO]_2 [ZnCl_4]$. <i>Polyhedron</i> , 2015, 85, 41-47.	2.2	28
27	Reinvestigation of the Total Li^{+}/H^{+} Ion Exchange on the Garnet-Type $Li_5La_3Nb_2O_{12}$. <i>Inorganic Chemistry</i> , 2014, 53, 931-934.	4.0	14
28	A theoretical study on the molecular structure and vibrational (FT-IR and Raman) spectra of new organic-inorganic compound $[N(C_3H_7)_4]_2SnCl_6$. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 225-233.	3.9	55
29	Directivity patterns and pulse profiles of ultrasound emitted by laser action on interface between transparent and opaque solids: Analytical theory. <i>Journal of Applied Physics</i> , 2014, 115, 044902.	2.5	10
30	Quantification of the Dissolved Inorganic Carbon Species and of the pH of Alkaline Solutions Exposed to CO_2 under Pressure: A Novel Approach by Raman Scattering. <i>Analytical Chemistry</i> , 2014, 86, 9895-9900.	6.5	12
31	Origin of temperature independent piezoelectric coefficient in $Pb(Mg_{1/3}Nb_{2/3})O_3$ - $BaTiO_3$ - $PbTiO_3$ ceramics. <i>Journal of Applied Physics</i> , 2013, 114, 074105.	2.5	3
32	Infrared, polarized Raman and ab initio calculations of the vibrational spectra of $[N(C_3H_7)_4]_2Cu_2Cl_6$ crystals. <i>Vibrational Spectroscopy</i> , 2013, 64, 10-20.	2.2	36
33	Color Control in Coaxial Two-Luminophore Nanowires. <i>ACS Nano</i> , 2013, 7, 2977-2987.	14.6	53
34	Lattice Dynamics of β - $SnWO_4$: Experimental and Ab Initio Calculations. <i>Journal of Physical Chemistry C</i> , 2013, 117, 5301-5313.	3.1	10
35	Universal scaling in sports ranking. <i>New Journal of Physics</i> , 2012, 14, 093038.	2.9	15
36	An ab initio molecular dynamics study of ionic conductivity in hexagonal lithium lanthanum titanate oxide $La_{0.5}Li_{0.5}TiO_3$. <i>Ionics</i> , 2012, 18, 371-377.	2.4	13

#	ARTICLE	IF	CITATIONS
37	Partial substitution of Mo ⁶⁺ by S ⁶⁺ in the fast oxide ion conductor La ₂ Mo ₂ O ₉ : Synthesis, structure and sulfur depletion. <i>Journal of Solid State Chemistry</i> , 2012, 190, 246-256.	2.9	17
38	Laser generation and detection of longitudinal and shear acoustic waves in a diamond anvil cell. <i>Applied Physics Letters</i> , 2008, 93, 181905.	3.3	34
39	Controlled modification of octadecyltrichlorosilane self-assembled monolayer by CO ₂ plasma. <i>Thin Solid Films</i> , 2006, 496, 612-618.	1.8	20
40	Vibrational study and crystal structure refinement of BaHPO ₄ . <i>Solid State Sciences</i> , 2004, 6, 197-204.	3.2	22
41	Vibrational Study and Crystal Structure Refinement of BaHPO ₄ .. <i>ChemInform</i> , 2004, 35, no.	0.0	0
42	Two-Dimensional Orientational Order-Disorder Phase Transition in NH ₄ AlF ₄ . <i>Ferroelectrics</i> , 2002, 270, 387-392.	0.6	1
43	Structure cristalline et spectres Raman polarises de Na _{1.5} Sm _{8.5} (SiO ₄) ₆ F. Crystal structure and polarized Raman spectra of Na _{1.5} Sm _{8.5} (SiO ₄) ₆ FO. <i>Annales De Chimie: Science Des Materiaux</i> , 2002, 27, 17-26.	0.4	11
44	Investigation of Mixed Divalent Cation Monophosphates: Synthesis, Crystal Structure, and Vibrational Study of CdBa ₂ (HPO ₄) ₂ (H ₂ PO ₄) ₂ . <i>Journal of Solid State Chemistry</i> , 2001, 161, 97-105.	2.9	19
45	Crystal Structure and Polarized Raman Spectra of Ca ₆ Sm ₂ Na ₂ (PO ₄) ₆ F ₂ . <i>Journal of Solid State Chemistry</i> , 2000, 149, 308-313.	2.9	40
46	Raman scattering study of phase transitions in CsScF ₄ crystal. , 2000, 4069, 53.		0
47	Crystal Structure, Infrared, and Polarized Raman Spectra of K ₃ Sm(PO ₄) ₂ . <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 1545-1550.	2.0	12
48	AF fluoropolymer for optical use: spectroscopic and surface energy studies; comparison with other fluoropolymers. <i>European Polymer Journal</i> , 1998, 34, 1457-1465.	5.4	58
49	Crystal field and free-ion analysis for Eu ³⁺ ion in LaOF crystal. <i>Journal of Physics and Chemistry of Solids</i> , 1995, 56, 285-291.	4.0	25
50	Influence of hydrostatic pressure and of interatomic distance upon the energy levels scheme of Eu ³⁺ in reoBr (RE = La, Gd or Y). <i>Solid State Communications</i> , 1995, 94, 309-315.	1.9	17
51	Pressure effect on the Raman spectra of RbAlF ₄ and KAlF ₄ : A pressure induced martensitic phase transition in KAlF ₄ . <i>Phase Transitions</i> , 1995, 53, 1-13.	1.3	14
52	Photoinduced defects in the bromide-bridged platinum linear chain [Pt(en) ₂][Pt(en) ₂ Br ₂](ClO ₄) ₄ (with Tj ETQq 0,0 rgBT / Overlock 10	3.2	38
53	Lattice dynamics in MX chains; localized modes associated with polaronic and bipolaronic defects in PtX CDW systems. <i>Synthetic Metals</i> , 1991, 43, 3663-3666.	3.9	1