

Simeon Ponou

List of Publications by Year in descending order

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38
papers

417
citations

759233

12
h-index

794594

19
g-index

54
all docs

54
docs citations

54
times ranked

381
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Growth and Structure Refinement of K_4Ge_9 . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 393-397.	1.2	46
2	A New Material with a Composite Crystal Structure Causing Ultralow Thermal Conductivity and Outstanding Thermoelectric Properties: $Tl_2Ag_{12}Te_7I$. Journal of the American Chemical Society, 2018, 140, 8578-8585.	13.7	33
3	Synthesis, Characterization, and Electronic Structure of $Ba_5In_4Bi_5$: An Acentric and One-Electron Deficient Phase. Chemistry - A European Journal, 2004, 10, 3615-3621.	3.3	29
4	Linear Metal Chains in Ca_2M_2X (M = Pd, Pt; X = Al, Ge): Origin of the Pairwise Distortion and Its Role in the Structure Stability. Chemistry of Materials, 2015, 27, 304-315.	6.7	27
5	Ca_2Pd_3Ge , a new fully ordered ternary Laves phase structure. Journal of Solid State Chemistry, 2013, 197, 312-316.	2.9	25
6	Nonclassical Bonding in the Novel Structure of Ba_2Bi_3 and Unexpected Site Preference in the Coloring Variant Ba_2BiSb_2 . Inorganic Chemistry, 2004, 43, 6124-6126.	4.0	24
7	Synthesis and Crystal Structure of Mercury-Substituted Type-I Clathrates $A_8Hg_4Sn_{42}$ (A = K, Rb, Cs). European Journal of Inorganic Chemistry, 2008, 2008, 538-542.	2.0	24
8	A_4Ge_9 (A = K, Rb) as Precursors for Hg-Substituted Clathrate Synthesis: Crystal Structure of $A_8Hg_3Ge_43$. European Journal of Inorganic Chemistry, 2008, 2008, 4507-4510.	2.0	19
9	$KBi_{2-x}Pb_x$ (0 x 1): A Zintl Phase Evolving from a Distortion of the Cubic Laves-Phase Structure. Inorganic Chemistry, 2005, 44, 7423-7430.	4.0	18
10	Structural Investigation of a Fully Ordered closo- Ge_{92} -Cluster in the Compound $[K+(2,2,2-crypt)]_2Ge_{92}$. European Journal of Inorganic Chemistry, 2011, 2011, 3999-4005.	2.0	17
11	Synthesis and Characterization of $Na_5M_2+xSn_{10}A_x$ ($x \hat{=} 0.5$, M = Zn, Hg) A Doped Tetrahedral Framework Structure. Journal of the American Chemical Society, 2009, 131, 10246-10252.	13.7	14
12	Structural Complexity in Intermetallic Alloys: Long-Periodic Order beyond 10 nm in the System $BaSn_3/BaBi_3$. Angewandte Chemie - International Edition, 2008, 47, 3999-4004.	13.8	13
13	$Ca_{10}Pt_7Tt_3$ (Tt = Si, Ge): New Platinide Phases Featuring Electron-Rich 4e Bonded $[Pt_7Tt_3]_{20}$ Intermetalloid Clusters. Inorganic Chemistry, 2012, 51, 11980-11985.	4.0	12
14	Bonding Schemes for Polar Intermetallics through Molecular Orbital Models: Ca-Supported Pt-Pt Bonds in $Ca_{10}Pt_7Si_3$. Crystals, 2013, 3, 504-516.	2.2	11
15	Valence State Driven Site Preference in the Quaternary Compound $Ca_5MgAgGe_5$: An Electron-Deficient Phase with Optimized Bonding. Inorganic Chemistry, 2014, 53, 4724-4732.	4.0	10
16	Cation Substitution Effects in the System $Sr_2-xBaxBi_3$ (0 x 1.3): Structural Distortions Induced by Chemical Pressure. Inorganic Chemistry, 2008, 47, 3594-3602.	4.0	9
17	On a $TiNiSi$ -Type Superstructure: Synthesis, Crystal and Electronic Structures of $CaAgGe$ and Its Mn-Substituted Derivative. European Journal of Inorganic Chemistry, 2010, 2010, 4139-4147.	2.0	8
18	Extreme Differences in Oxidation States: Synthesis and Structural Analysis of the Germanide Oxometallates $A_{10}[Ge_9]_2[WO_4]$ As Well As $A_{10+x}[Ge_9]_2[W_{1-x}Nb_xO_4]$ with A = K and Rb Containing $[Ge_9]^{4-}$ Polyanions. Inorganic Chemistry, 2012, 51, 4058-4065.		

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19	Synergistic Geometrical and Electronic Features in the Intermetallic Phases Ca_2AgM_2 , Ca_2MgM_2 , and Ca_2GaM_2 ($\text{M} = \text{Pd}, \text{Pt}$). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 1069-1079.	1.2	7
20	Substitution Effects in Zintl Phases: Synthesis and Crystal Structure of the Novel Phases $\text{Ae}_3\text{Sn}_4\text{Bi}_{1+x}$ ($x \approx 1$; Ae = Sr, Ba) Containing Shubnikov-Type Nets $\text{[Sn}_{4-x}\text{Bi}_x]^\infty$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1568-1574.	1.2	6
21	Synthesis and Crystal Structure of $\text{Ca}_2\text{Ag}_{1.83}\text{Al}_{0.67}\text{Ge}_{1.50}$ – A Solid Solution with the NbCo type structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 2143-2146.	1.2	6
22	$\text{Ca}_3\text{Ag}_{1+x}\text{Ge}_{3-x}$ ($x = 1/3$): New Transition Metal Zintl Phase with Intergrowth Structure and Alloying with Aluminum Metal. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 35-40.	1.2	6
23	Synthesis, Crystal Structure, and Bonding Analysis of the Hypoelectronic Cubic Phase $\text{Ca}_5\text{Pd}_6\text{Ge}_6$. <i>Inorganic Chemistry</i> , 2015, 54, 9098-9104.	4.0	6
24	Structure and Bonding of an Intergrowth Phase $\text{Ca}_7\text{Ag}_{2+x}\text{Ge}_{7-x}$ ($x \approx 2/3$) Featuring a Zintl-Type Polyanionic Chain. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 169-176.	2.0	6
25	Structure analysis and the existence of light-induced long-lived metastable states in $\text{Xn}[\text{Fe}(\text{CN})_5\text{NO}]$ with inorganic and organic cations: $\text{Xn} = \text{Pb}, (\text{H}_3\text{O}+\text{CH}_6\text{N}^+), (\text{C}_2\text{N}_2\text{H}_7)_2$ and $(\text{C}_{16}\text{H}_{36}\text{N})_2$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2004, 219, .	0.8	5
26	Calcium platinum aluminium, CaPtAl . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, i55-i55.	0.2	4
27	Two-dimensionally stacked heterometallic layers hosting a discrete chair dodecameric ring of water clusters: synthesis and structural study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 900-902.	1.1	4
28	Exo-bonded six-membered heterocycle in the crystal structures of $\text{RE}_7\text{Co}_2\text{Ge}_4$ ($\text{RE} = \text{La-Nd}$). <i>Dalton Transactions</i> , 2016, 45, 18522-18531.	3.3	4
29	Conflict between the Electronic Factors and Structure-Directing Rules in the Intergrowth Structure of $\text{Ca}_4\text{Ag}_{2+x}\text{Ge}_{4-x}$ with $x = 1/2$. <i>Crystal Growth and Design</i> , 2016, 16, 5946-5953.	3.0	3
30	Non-isovalent substitution in a Zintl phase with the TiNiSi type structure, $\text{CaMg}_{1-x}\text{Ag}_x\text{Ge}$ [$x = 0.13 \dots (3)$]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, i90-i90.	0.2	3
31	$\hat{\text{I}}\pm\text{-Cd}_{13-x}\text{Sb}_{10}$ - The Devil is in the Details. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1747-1752.	1.2	2
32	catena-Poly[[[(oxamide dioxime- $\hat{\text{I}}^2\text{N}, \hat{\text{N}}^2$)copper(II)]- $\hat{\text{I}}^4$ -L-tartrato- $\hat{\text{I}}^4\text{O}_1, \text{O}_2: \text{O}_3, \text{O}_4$] tetrahydrate]: a chiral nanochannel framework hosting solvent water molecules. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, m131-m134.	0.4	2
33	A new heteroleptic oxalate-based compound: poly[[2-(aminomethyl)pyridine] $\hat{\text{I}}^4$ - $\text{di-}\hat{\text{I}}^4$ -oxalato-chromium(III)potassium(I)]. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 12-15.	0.5	2
34	Crystal structure of calcium silver germanium, $\text{CaAg}_{0.98}\text{Ge}_{1.02}$. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2008, 223, 329-330.	0.3	2
35	A supramolecular copper(II) compound with double bridging water ligands: synthesis, crystal structure, spectroscopy, thermal analysis, and magnetism. <i>Transition Metal Chemistry</i> , 2013, 38, 21-29.	1.4	1
36	Nonclassical Bonding in the Novel Structure of Ba_2Bi_3 and Unexpected Site Preference in the Coloring Variant Ba_2BiSb_2 . <i>ChemInform</i> , 2004, 35, no.	0.0	0

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37	KBi _{2-x} Pbx (0 < x ≤ 1): A Zintl Phase Evolving from a Distortion of the Cubic Laves-Phase Structure.. ChemInform, 2006, 37, no.	0.0	0
38	Uncovering new transition metal Zintl phases by cation substitution: the crystal chemistry of Ca ₃ CuGe ₃ and Ca _{2+n} Mn _x Ag _{2x+z} Ge _{2+nz} (<i>n</i> = 3, 4). CrystEngComm, 2021, 23, 2711-2722.	2.6	0