

Kirill Kovnir

List of Publications by Year in descending order

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165
papers

6,635
citations

81743

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71532

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187
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docs citations

187
times ranked

7472
citing authors

#	ARTICLE	IF	CITATIONS
1	Add a Pinch of Tetrel: The Transformation of a Centrosymmetric Metal into a Nonsymmorphic and Chiral Semiconductor. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	6
2	Pd and octahedra do not get along: Square planar [PdS ₄] units in non-centrosymmetric La ₆ PdSi ₂ S ₁₄ . <i>Journal of Alloys and Compounds</i> , 2022, 902, 163756.	2.8	8
3	Evolution of Bonding and Magnetism <i>via</i> Changes in Valence Electron Count in CuFe ₂ CoGe ₂ . <i>Inorganic Chemistry</i> , 2022, 61, 4257-4269.	1.9	1
4	Non-Linear Optical Properties of the (RE) ₃ CuGeS ₇ Family of Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2022, 648, .	0.6	7
5	NHC-Stabilized Au ₁₀ Nanoclusters and Their Conversion to Au ₂₅ Nanoclusters. <i>Jacs Au</i> , 2022, 2, 875-885.	3.6	22
6	From Three-Dimensional Clathrates to Two-Dimensional Zintl Phases AMSb ₂ (A = Rb, Cs; M) Tj ETQq0 0,0 rgBT /Qverlock 10	1.9	2
7	Tuning of Cr-Magnetic Exchange through Chalcogenide Linkers in Cr ₂ Molecular Dimers. <i>Inorganic Chemistry</i> , 2022, 61, 6160-6174.	1.9	1
8	Evolution of structure and transport properties of the Ba ₈ Cu ₁₆ P ₃₀ clathrate-I framework with the introduction of Ga. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	2
9	Semiconducting silicon-phosphorus frameworks for caging exotic polycations. <i>Chemical Communications</i> , 2022, 58, 7622-7625.	2.2	1
10	As-Se Pentagonal Linkers to Induce Chirality and Polarity in Mixed-Valent Fe-Se Tetrahedral Chains Resulting in Hidden Magnetic Ordering. <i>Journal of the American Chemical Society</i> , 2022, 144, 11283-11295.	6.6	3
11	Pseudo-Polymorphism in Layered FeS Intercalates: A Competition between Charged and Neutral Guest Species. <i>Chemistry of Materials</i> , 2022, 34, 5397-5408.	3.2	4
12	Synthesis, Crystal and Electronic Structure of La ₂ SiP ₄ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 91-97.	0.6	8
13	Noncentrosymmetric Tetrel Pnictides RuSi ₄ P ₄ and IrSi ₃ P ₃ : Nonlinear Optical Materials with Outstanding Laser Damage Threshold. <i>Advanced Functional Materials</i> , 2021, 31, 2010293.	7.8	27
14	New Noncentrosymmetric Tetrel Pnictides Composed of Square-Planar Gold(I) with Peculiar Bonding. <i>Chemistry - A European Journal</i> , 2021, 27, 7383-7390.	1.7	11
15	Crystal Structure and Properties of Layered Pnictides BaCuSi ₂ Pn ₃ (Pn = P, As). <i>Inorganic Chemistry</i> , 2021, 60, 5627-5634.	1.9	8
16	Critical Review of Platinum Group Metal-Free Materials for Water Electrolysis: Transition from the Laboratory to the Market. <i>Johnson Matthey Technology Review</i> , 2021, 65, 207-226.	0.5	17
17	Large-Scale Synthesis of Semiconducting Cu(In,Ga)Se ₂ Nanoparticles for Screen Printing Application. <i>Nanomaterials</i> , 2021, 11, 1148.	1.9	10
18	Two-Dimensional and Three-Dimensional Tetrel-Arsenide Frameworks Templated by Li and Cs Cations. <i>Chemistry of Materials</i> , 2021, 33, 4586-4595.	3.2	2

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19	Unraveling the Origin of Photocatalytic Deactivation in CeO ₂ /Nb ₂ O ₅ Heterostructure Systems during Methanol Oxidation: Insight into the Role of Cerium Species. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12650-12662.	1.5	4
20	Predictive Synthesis. <i>Chemistry of Materials</i> , 2021, 33, 4835-4841.	3.2	31
21	Compositional Fluctuations Mediated by Excess Tellurium in Bismuth Antimony Telluride Nanocomposites Yield High Thermoelectric Performance. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20184-20194.	1.5	10
22	Non-innocent Intercalation of Diamines into Tetragonal FeS Superconductor. <i>ACS Applied Energy Materials</i> , 2021, 4, 42-46.	2.5	10
23	Third time's the charm: intricate non-centrosymmetric polymorphism in Ln ₃ SiP ₃ (Ln = La and Ce) induced by distortions of phosphorus square layers. <i>Dalton Transactions</i> , 2021, 50, 6463-6476.	1.6	15
24	Synthesis-enabled exploration of chiral and polar multivalent quaternary sulfides. <i>Chemical Science</i> , 2021, 12, 14718-14730.	3.7	16
25	Unprecedented superstructure in the type I family of clathrates. <i>Chemical Communications</i> , 2021, 57, 13780-13783.	2.2	3
26	Solvothermal synthesis of [Cr ₇ S ₈ (en) ₈ Cl ₂]Cl ₃ ·2H ₂ O with magnetically frustrated [Cr ₇ S ₈] ⁵⁺ double-cubes. <i>Chemistry - A European Journal</i> , 2021, , .	1.7	1
27	Combined experimental and theoretical study of acetylene semi-hydrogenation over Pd/Al ₂ O ₃ . <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1283-1296.	3.8	25
28	III-V Clathrate Semiconductors with Outstanding Hole Mobility: Cs ₈ In ₂₇ Sb ₁₉ and A ₈ Ga ₂₇ Sb ₁₉ (A = Cs, Tl). <i>Journal of Applied Physics</i> , 2020, 123, 085701.	8.6	27
29	Synergistic Computational-Experimental Discovery of Highly Selective PtCu Nanocluster Catalysts for Acetylene Semihydrogenation. <i>ACS Catalysis</i> , 2020, 10, 451-457.	5.5	35
30	1D materials from ionic self-assembly in mixtures containing chromonic liquid crystal mesogens. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23276-23285.	1.3	4
31	Scalable colloidal synthesis of Bi ₂ Te _{2.7} Se _{0.3} plate-like particles give access to a high-performing n-type thermoelectric material for low temperature application. <i>Nanoscale Advances</i> , 2020, 2, 5699-5709.	2.2	13
32	Tuning Fe-Se Tetrahedral Frameworks by a Combination of [Fe(en) ₃] ²⁺ Cations and Cl ⁻ Anions. <i>Inorganic Chemistry</i> , 2020, 59, 13353-13363.	1.9	9
33	Chemically driven superstructural ordering leading to giant unit cells in unconventional clathrates Cs ₈ Zn ₁₈ Sb ₂₈ and Cs ₈ Cd ₁₈ Sb ₂₈ . <i>Chemical Science</i> , 2020, 11, 10255-10264.	3.7	9
34	Clathrate BaNi ₂ P ₄ : An Interplay of Heat and Charge Transport Due to Strong Host-Guest Interactions. <i>Chemistry of Materials</i> , 2020, 32, 7932-7940.	3.2	9
35	Synthesis, Crystal Growth, and Transport Properties of van der Waals Tetrel Pnictide GeAs ₂ . <i>ACS Applied Energy Materials</i> , 2020, 3, 4168-4172.	2.5	3
36	Flux Growth of Phosphide and Arsenide Crystals. <i>Frontiers in Chemistry</i> , 2020, 8, 186.	1.8	18

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37	Synthesis, Crystal and Electronic Structure of Layered AM Sb Compounds (A = Rb, Cs; M = Zn, Cd). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1079-1085.	0.6	4
38	LiSi ₃ As ₆ and Li ₂ SiAs ₂ with flexible SiAs ₂ polyanions: synthesis, structure, bonding, and ionic conductivity. Journal of Materials Chemistry A, 2020, 8, 3322-3332.	5.2	7
39	Crystallographic facet selective HER catalysis: exemplified in FeP and NiP ₂ single crystals. Chemical Science, 2020, 11, 5007-5016.	3.7	51
40	Synthesis, structure, and transport properties of Ba ₈ Cu ₁₆ •x•Au _x P ₃₀ clathrate solid solution. Journal of Applied Physics, 2020, 127, 055104.	1.1	3
41	Reentrant spin glass state induced by structural phase transition in La _{0.4} Ce _{0.6} Co ₂ P ₂ . Physical Review Materials, 2020, 4, .	0.9	1
42	Directing Boron-Phosphorus Bonds in Crystalline Solid: Oxidative Polymerization of P-B-P Monomers into 1D Chains. Journal of the American Chemical Society, 2019, 141, 13017-13021.	6.6	15
43	Ba ₂ Si ₃ P ₆ : 1D Nonlinear Optical Material with Thermal Barrier Chains. Journal of the American Chemical Society, 2019, 141, 11976-11983.	6.6	66
44	Chemical Flexibility of Mg in Prictide Materials: Structure and Properties Diversity. Chemistry of Materials, 2019, 31, 8286-8300.	3.2	17
45	Aliovalent substitutions of the 2D layered semiconductor GeAs. Journal of Solid State Chemistry, 2019, 276, 361-367.	1.4	9
46	Dicyanometalates as Building Blocks for Multinuclear Iron(II) Spin-Crossover Complexes. Inorganic Chemistry, 2019, 58, 11920-11926.	1.9	9
47	Synthesis and Characterization of Single-Phase Metal Dodecaboride Solid Solutions: Zr _{1-x} Y _x B ₁₂ and Zr _{1-x} U _x B ₁₂ . Journal of the American Chemical Society, 2019, 141, 9047-9062.	6.6	15
48	Chemical and Electrochemical Lithiation of van der Waals Tetrel-Arsenides. Chemistry - A European Journal, 2019, 25, 6392-6401.	1.7	17
49	Synthesis and Characterization of K and Eu Binary Phosphides. Materials, 2019, 12, 251.	1.3	4
50	NiP ₂ : A Story of Two Divergent Polymorphic Multifunctional Materials. Chemistry of Materials, 2019, 31, 3407-3418.	3.2	52
51	Superseding van der Waals with Electrostatic Interactions: Intercalation of Cs into the Interlayer Space of SiAs ₂ . Inorganic Chemistry, 2019, 58, 4997-5005.	1.9	8
52	Crystal and Electronic Structure and Optical Properties of AE ₂ SiP ₄ (AE = Sr, Eu, Ba) and Ba ₄ Si ₃ P ₈ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 242-247.	0.6	17
53	Superstructural Ordering in Hexagonal Cu _n Se ₂ Nanoparticles. Chemistry of Materials, 2019, 31, 260-267.	3.2	20
54	Phonon glass behavior beyond traditional cage structures: synthesis, crystal and electronic structure, and properties of KMg ₄ Sb ₃ . Journal of Materials Chemistry A, 2018, 6, 4759-4767.	5.2	17

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55	Chemical Bonding and Transport Properties in Clathrates-I with Cu ²⁺ Zn ²⁺ P Frameworks. Chemistry of Materials, 2018, 30, 3419-3428.	3.2	21
56	Few-Layer GeAs Field-Effect Transistors and Infrared Photodetectors. Advanced Materials, 2018, 30, e1705934.	11.1	100
57	Al-Induced In Situ Formation of Highly Active Nanostructured Water-Oxidation Electrocatalyst Based on Ni-Phosphide. ACS Catalysis, 2018, 8, 2595-2600.	5.5	67
58	Unconventional Clathrates with Transition Metal-Phosphorus Frameworks. Accounts of Chemical Research, 2018, 51, 31-39.	7.6	41
59	Eu ₂ P ₇ X and Ba ₂ As ₇ X (X = Br, I): Chiral double-Zintl salts containing heptapnictotricyclane clusters. Journal of Solid State Chemistry, 2018, 263, 195-202.	1.4	3
60	The Smaller the Better: Hosting Trivalent Rare-Earth Guests in Cu ²⁺ P Clathrate Cages. Chem, 2018, 4, 1465-1475.	5.8	35
61	Structure-Activity Relationships for Pt-Free Metal Phosphide Hydrogen Evolution Electrocatalysts. Chemistry - A European Journal, 2018, 24, 7298-7311.	1.7	83
62	Probing of Thermal Transport in 50 nm Thick PbTe Nanocrystal Films by Time-Domain Thermoreflectance. Journal of Physical Chemistry C, 2018, 122, 27127-27134.	1.5	15
63	Frontispiece: Structure-Activity Relationships for Pt-Free Metal Phosphide Hydrogen Evolution Electrocatalysts. Chemistry - A European Journal, 2018, 24, .	1.7	0
64	Mg ₂ Si ₂ As: An Unexplored System with Promising Nonlinear Optical Properties. Advanced Functional Materials, 2018, 28, 1801589.	7.8	38
65	Synthesis, Crystal Structure, and Properties of Three La ³⁺ Zn ²⁺ P Compounds with Different Dimensionalities of the Zn ²⁺ P Framework. Crystal Growth and Design, 2018, 18, 4076-4083.	1.4	17
66	Topological doping effects in 2D chalcogenide thermoelectrics. 2D Materials, 2018, 5, 045008.	2.0	5
67	A practical field guide to thermoelectrics: Fundamentals, synthesis, and characterization. Applied Physics Reviews, 2018, 5, 021303.	5.5	223
68	Giant anisotropy detected. Nature Photonics, 2018, 12, 382-383.	15.6	8
69	Semiconductors: Mg ₂ Si ₂ As: An Unexplored System with Promising Nonlinear Optical Properties (Adv.) Tj ETQq1_1.0.784314 rgBT		
70	Breaking the Tetrahedrally Coordinated Framework Rule: New Clathrate Ba ₈ M ₂₄ P ₂₈ (M = Cu/Zn). Angewandte Chemie - International Edition, 2017, 56, 2418-2422.	7.2	31
71	Breaking the Tetrahedrally Coordinated Framework Rule: New Clathrate Ba ₈ M ₂₄ P ₂₈ (M = Cu/Zn). Angewandte Chemie, 2017, 129, 2458-2462.	1.6	5
72	Emerging nanostructured electrode materials for water electrolysis and rechargeable beyond Li-ion batteries. Advances in Physics: X, 2017, 2, 211-253.	1.5	25

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73	Synthesis, crystal and electronic structures, and physical properties of a new quaternary phosphide $\text{Ba}_4\text{Mg}_2\text{Cu}_{12}\text{P}_{10}$ (0 <math>\hat{I}</math> <math>\hat{I}</math> <math>2</math>). Inorganic Chemistry Frontiers, 2017, 4, 801-808.	3.0	3
74	Controlling superstructural ordering in the clathrate-I $\text{Ba}_8\text{M}_6\text{P}_3\text{O}$ (M = Cu, Zn) through the formation of metal-metal bonds. Chemical Science, 2017, 8, 3650-3659.	3.7	21
75	Complex magnetic phase diagram with multiple spin-top transitions in $\text{La}_4\text{Zn}_7\text{P}_{10}$	1.1	8
76	Synthesis, Crystal Structure, and Properties of $\text{La}_4\text{Zn}_7\text{P}_{10}$ and $\text{La}_4\text{Mg}_{1.5}\text{Zn}_{8.5}\text{P}_{12}$. Inorganic Chemistry, 2017, 56, 783-790.	1.9	20
77	High-efficiency thermoelectric $\text{Ba}_8\text{Cu}_{14}\text{Ge}_6\text{P}_{26}$: bridging the gap between tetrel-based and tetrel-free clathrates. Chemical Science, 2017, 8, 8030-8038.	3.7	44
78	Two-dimensional metal NaCu_6Sb_3 and solid-state transformations of sodium copper antimonides. Dalton Transactions, 2017, 46, 12438-12445.	1.6	9
79	A Series of Chiral, Polar, Homospin Topological Ferrimagnets: $\text{M}_3(\text{OOCH})_5\text{Cl}(\text{OH})_2$ (M = Fe, Co, Ni). Chemistry of Materials, 2017, 29, 7716-7724.	3.2	5
80	Innen-Äcktitelbild: Breaking the Tetra-Coordinated Framework Rule: New Clathrate $\text{Ba}_8\text{M}_{24}\text{P}_{28}$ ($\text{M}=\text{Cu/Zn}$) (Angew. Chem.) Tj ETQq0 Q0rgBT /Overlock 10	1.6	9
81	Structure of Amorphous Selenium by 2D ⁷⁷ Se NMR Spectroscopy: An End to the Dilemma of Chain versus Ring. Angewandte Chemie - International Edition, 2017, 56, 9777-9781.	7.2	33
82	Synthesis, Crystal Structure, and Magnetic Properties of $\text{R}_2\text{Mg}_3\text{SiPn}_6$ (R = La, Ce; Pn = P, As). Inorganic Chemistry, 2017, 56, 8348-8354.	1.9	6
83	Structure of Amorphous Selenium by 2D ⁷⁷ Se NMR Spectroscopy: An End to the Dilemma of Chain versus Ring. Angewandte Chemie, 2017, 129, 9909-9913.	1.6	12
84	Interface Engineering in Nanostructured Nickel Phosphide Catalyst for Efficient and Stable Water Oxidation. ACS Catalysis, 2017, 7, 5450-5455.	5.5	74
85	High Pressure Properties of a Ba-Cu-Zn-P Clathrate-I. Materials, 2016, 9, 692.	1.3	2
86	Synthesis, crystal structure, and advanced NMR characterization of a low temperature polymorph of SiSe_2 . Journal of Materials Chemistry A, 2016, 4, 11276-11283.	5.2	14
87	Virtual Issue on Thermoelectric Materials. Chemistry of Materials, 2016, 28, 2463-2465.	3.2	4
88	Clathrate thermoelectrics. Materials Science and Engineering Reports, 2016, 108, 1-46.	14.8	160
89	BP: synthesis and properties of boron phosphide. Materials Research Express, 2016, 3, 074003.	0.8	55
90	Electrocatalytic Performance and Stability of Nanostructured Fe-Ni Pyrite-Type Diphosphide Catalyst Supported on Carbon Paper. Journal of Physical Chemistry C, 2016, 120, 16537-16544.	1.5	53

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91	Orbital Crossings Activated through Electron Injection: Opening Communication between Orthogonal Orbitals in Anionic C1â€“C5 Cyclizations of Enediynes. <i>Journal of the American Chemical Society</i> , 2016, 138, 15617-15628.	6.6	38
92	Enclathration of X@La4 Tetrahedra in Channels of Znâ€“P Frameworks in La3Zn4P6X (X = Cl, Br). <i>Chemistry of Materials</i> , 2016, 28, 4741-4750.	3.2	18
93	Synthesis, crystal growth, structural and magnetic characterization of NH4MCl2(HCOO), M=(Fe, Co.) Tj ETQq1 1 0,784314 rgBT /Ove	1.4	5
94	Synthesis, crystal structure, and magnetic properties of quaternary iron selenides: Ba2FePnSe5 (Pn=Sb, Bi). <i>Journal of Solid State Chemistry</i> , 2016, 242, 22-27.	1.4	8
95	GeAs: Highly Anisotropic van der Waals Thermoelectric Material. <i>Chemistry of Materials</i> , 2016, 28, 2776-2785.	3.2	78
96	A Transition from Localized to Strongly Correlated Electron Behavior and Mixed Valence Driven by Physical or Chemical Pressure in ACo₂As₂ (A = Eu and Ca). <i>Journal of the American Chemical Society</i> , 2016, 138, 2724-2731.	6.6	55
97	Synthesis, crystal and electronic structure, and optical properties of two new chalcogenide-iodides: Ba3Q4I2 (Q = S, Se). <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 306-312.	3.0	5
98	Synthesis, Crystal, and Electronic Structure of Ba₃Sb₂<i>Q</i>₇ (<i>Q</i> = S, Se). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 1087-1092.	0.6	15
99	Oneâ€“Step Synthesis of Selfâ€“Supported Nickel Phosphide Nanosheet Array Cathodes for Efficient Electrocatalytic Hydrogen Generation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8188-8192.	7.2	494
100	Oneâ€“Step Synthesis of Selfâ€“Supported Nickel Phosphide Nanosheet Array Cathodes for Efficient Electrocatalytic Hydrogen Generation. <i>Angewandte Chemie</i> , 2015, 127, 8306-8310.	1.6	86
101	Fest/Gasâ€“Reaktion zur Darstellung von geträgerten intermetallischen Gaâ€“Pd Katalysatormaterialien. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 1061-1068.	0.6	4
102	A Solution for Solution-Produced Î²-FeSe: Elucidating and Overcoming Factors that Prevent Superconductivity. <i>Chemistry of Materials</i> , 2015, 27, 588-596.	3.2	42
103	Yb₁₄MgSb₁₁ and Ca₁₄MgSb₁₁ â€“New Mg-Containing Zintl Compounds and Their Structures, Bonding, and Thermoelectric Properties. <i>Chemistry of Materials</i> , 2015, 27, 343-351.	3.2	89
104	Tellurium Speciation, Connectivity, and Chemical Order in As_{<i>x</i>}Te_{100â€“<i>x</i>} Glasses: Results from Two-Dimensional ¹²⁵Te NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2081-2088.	1.2	34
105	Twisted Kelvin Cells and Truncated Octahedral Cages in the Crystal Structures of Unconventional Clathrates, AM₂P₄ (A = Sr, Ba; M = Cu, Ni). <i>Chemistry of Materials</i> , 2015, 27, 4476-4484.	3.2	48
106	Sr₂P₇<i>X</i> (<i>X</i> = Cl, Br, and I): Synthesis, Crystal and Electronic Structures of Double Zintl Salts Containing Heptaphosphanortricyclane, P₇^{3â€“}. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 1422-1427.	0.6	7
107	Intricate Short-Range Ordering and Strongly Anisotropic Transport Properties of Li_{1â€“<i>x</i>}Sn_{2+<i>x</i>}As₂. <i>Journal of the American Chemical Society</i> , 2015, 137, 3622-3630.	6.6	37
108	A Systematic Study of the Structural and Magnetic Properties of Mn-, Co-, and Ni-Doped Colloidal Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11947-11957.	1.5	93

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109	Control over connectivity and magnetism of tetrahedral FeSe ₂ chains through coordination Fe-amine complexes. <i>Chemical Communications</i> , 2015, 51, 5355-5358.	2.2	27
110	Design and Synthesis of Highly Active Al-Ni-P Foam Electrode for Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2015, 5, 6503-6508.	5.5	98
111	Ba and Sr Binary Phosphides: Synthesis, Crystal Structures, and Bonding Analysis. <i>Inorganic Chemistry</i> , 2015, 54, 8608-8616.	1.9	31
112	Synthesis, crystal structure, and thermoelectric properties of two new barium antimony selenides: Ba ₂ Sb ₂ Se ₅ and Ba ₆ Sb ₇ Se _{16.11} . <i>Journal of Materials Chemistry C</i> , 2015, 3, 9811-9818.	2.7	20
113	Elusive $\bar{1}^2$ -Zn ₈ Sb ₇ : A New Zinc Antimonide Thermoelectric. <i>Journal of the American Chemical Society</i> , 2015, 137, 12474-12477.	6.6	45
114	Distorted Phosphorus and Copper Square-Planar Layers in LaCu _{1+x} P ₂ and LaCu ₄ P ₃ : Synthesis, Crystal Structure, and Physical Properties. <i>Inorganic Chemistry</i> , 2015, 54, 890-897.	1.9	26
115	GeP and (Ge _{1-x} Sn)(P _{1-y} Ge _y) (x ≈ 0.12, y ≈ 0.05): Synthesis, structure, and properties of two-dimensional layered tetrel phosphides. <i>Journal of Solid State Chemistry</i> , 2015, 224, 62-70.	1.4	48
116	Spin Crossover in Tetranuclear Fe(II) Complexes, {[<i>(tpma)Fe</i> ($\bar{1}$ / ₄ -CN)] ₄ }X ₄ (X =) Tj ETQq0 0 0 rgBT /Overlock 13070-13077.	1.9	28
117	<i>mp</i> BaP ₃ : A New Phase from an Old Binary System. <i>Chemistry - A European Journal</i> , 2014, 20, 10829-10837.	1.7	30
118	Heisenberg-like ferromagnetism in 3d ⁴ intermetallic La _{0.75} Pr _{0.25} Co ₂ P ₂ with localized Co moments. <i>Physical Review B</i> , 2014, 90, .	1.1	16
119	High-Temperature Magnetism as a Probe for Structural and Compositional Uniformity in Ligand-Capped Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28322-28329.	1.5	26
120	Unconventional magnetism in ThCr ₂ Si ₂ -type phosphides, La _{1-x} Nd _x Co ₂ P ₂ . <i>Journal of Materials Chemistry C</i> , 2014, 2, 7561.	2.7	13
121	NH ₄ FeCl ₂ (HCOO): Synthesis, Structure, and Magnetism of a Novel Low-Dimensional Magnetic Material. <i>Inorganic Chemistry</i> , 2014, 53, 3162-3169.	1.9	12
122	Large-Scale Synthesis of Colloidal Fe ₃ O ₄ Nanoparticles Exhibiting High Heating Efficiency in Magnetic Hyperthermia. <i>Journal of Physical Chemistry C</i> , 2014, 118, 8691-8701.	1.5	226
123	Synthesis, Structures, and Magnetic Properties of Rare-Earth Cobalt Arsenides, RCo ₂ As ₂ (R = La, Ce, Pr, Nd). <i>Chemistry of Materials</i> , 2014, 26, 3825-3837.	3.2	34
124	Clathrate Ba ₈ Au ₁₆ P ₃₀ : The "Gold Standard" for Lattice Thermal Conductivity. <i>Journal of the American Chemical Society</i> , 2013, 135, 12313-12323.	6.6	98
125	Chemical Excision of Tetrahedral FeSe ₂ Chains from the Superconductor FeSe: Synthesis, Crystal Structure, and Magnetism of Fe ₃ Se ₄ (en) ₂ . <i>Journal of the American Chemical Society</i> , 2013, 135, 19111-19114.	6.6	38
126	Zintl Salts Ba ₂ P ₇ X (X = Cl, Br, and I): Synthesis, Crystal, and Electronic Structures. <i>Crystals</i> , 2013, 3, 431-442.	1.0	12

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127	BaAu ₂ P ₄ : Layered Zintl Polyphosphide with Infinite $\tilde{1}(P\infty)$ Chains. <i>Inorganic Chemistry</i> , 2013, 52, 7061-7067.	1.9	32
128	Complexes with Redox-Active Ligands: Synthesis, Structure, and Electrochemical and Photophysical Behavior of the Ru(II) Complex with TTF-Annulated Phenanthroline. <i>Inorganic Chemistry</i> , 2013, 52, 8040-8052.	1.9	23
129	Origin of magnetic anisotropy through $\langle \mathbf{m} \rangle$ in La ₃ Co ₂ P ₂ (R = La, Ce, Pr, Nd, Eu) studied by XAFS and RIXS. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012105.	1.1	16
130	Local electronic and crystal structure of rare-earth cobalt phosphides RCo ₂ P ₂ (R = La, Ce, Pr, Nd, Eu) studied by XAFS and RIXS. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012105.	0.3	1
131	Tris(ethylenediamine)cobalt(II) dichloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m332-m332.	0.2	6
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