Kirill Kovnir

List of Publications by Year
in descending order

165 papers	6,635 citations	81743 39 h-index	71532 76 g-index
187 all docs	187 docs citations	187 times ranked	7472 citing authors

#	Article	IF	Citations
1	Oneâ€Step Synthesis of Selfâ€Supported Nickel Phosphide Nanosheet Array Cathodes for Efficient Electrocatalytic Hydrogen Generation. Angewandte Chemie - International Edition, 2015, 54, 8188-8192.	7.2	494
2	Pdâ^'Ga Intermetallic Compounds as Highly Selective Semihydrogenation Catalysts. Journal of the American Chemical Society, 2010, 132, 14745-14747.	6.6	430
3	Al13Fe4 as a low-cost alternative for palladium in heterogeneous hydrogenation. Nature Materials, 2012, 11, 690-693.	13.3	344
4	Palladiumâ€“gallium intermetallic compounds for the selective hydrogenation of acetylenePart II: Surface characterization and catalytic performance. Journal of Catalysis, 2008, 258, 219-227.	3.1	297
5	Palladiumâ€“gallium intermetallic compounds for the selective hydrogenation of acetylenePart I: Preparation and structural investigation under reaction conditions. Journal of Catalysis, 2008, 258, 210-218.	3.1	269
6	Large-Scale Synthesis of Colloidal Fe₃O₄ Nanoparticles Exhibiting High Heating Efficiency in Magnetic Hyperthermia. Journal of Physical Chemistry C, 2014, 118, 8691-8701.	1.5	226
7	A practical field guide to thermoelectrics: Fundamentals, synthesis, and characterization. Applied Physics Reviews, 2018, 5, 021303.	5.5	223
8	A new approach to well-defined, stable and site-isolated catalysts. Science and Technology of Advanced Materials, 2007, 8, 420-427.	2.8	181
9	Semiconducting clathrates: synthesis, structure and properties. Russian Chemical Reviews, 2004, 73, 923-938.	2.5	162
10	Clathrate thermoelectrics. Materials Science and Engineering Reports, 2016, 108, 1-46.	14.8	160
11	In situ surface characterization of the intermetallic compound PdGa â€“ A highly selective hydrogenation catalyst. Surface Science, 2009, 603, 1784-1792.	0.8	144
12	Fewâ€Layer GeAs Fieldâ€Effect Transistors and Infrared Photodetectors. Advanced Materials, 2018, 30, e1705934.	11.1	100
13	Clathrate Ba₈Au₁₆P₃₀: The â€œGold Standardâ€• for Lattice Thermal Conductivity. Journal of the American Chemical Society, 2013, 135, 12313-12323.	6.6	98
14	Design and Synthesis of Highly Active Alâ€“Niâ€“P Foam Electrode for Hydrogen Evolution Reaction. ACS Catalysis, 2015, 5, 6503-6508.	5.5	98
15	Zintl Clathrates. Structure and Bonding, 2010, , 97-142.	1.0	95
16	A Systematic Study of the Structural and Magnetic Properties of Mn-, Co-, and Ni-Doped Colloidal Magnetite Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 11947-11957.	1.5	93
17	Yb₁₄MgSb₁₁ and Ca₁₄MgSb₁₁â€”New Mg-Containing Zintl Compounds and Their Structures, Bonding, and Thermoelectric Properties. Chemistry of Materials, 2015, 27, 343-351.	3.2	89
18	Oneâ€Step Synthesis of Selfâ€Supported Nickel Phosphide Nanosheet Array Cathodes for Efficient Electrocatalytic Hydrogen Generation. Angewandte Chemie, 2015, 127, 8306-8310.	1.6	86

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19	Structureâ€“Activity Relationships for Ptâ€Free Metal Phosphide Hydrogen Evolution Electrocatalysts. Chemistry - A European Journal, 2018, 24, 7298-7311.	1.7	83
20	GeAs: Highly Anisotropic van der Waals Thermoelectric Material. Chemistry of Materials, 2016, 28, 2776-2785.	3.2	78
21	Etching of the intermetallic compounds PdGa and Pd3Ga7: An effective way to increase catalytic activity?. Journal of Catalysis, 2009, 264, 93-103.	3.1	76
22	Interface Engineering in Nanostructured Nickel Phosphide Catalyst for Efficient and Stable Water Oxidation. ACS Catalysis, 2017, 7, 5450-5455.	5.5	74
23	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
24	Ba₂Si₃P₆: 1D Nonlinear Optical Material with Thermal Barrier Chains. Journal of the American Chemical Society, 2019, 141, 11976-11983.	6.6	66
25	BP: synthesis and properties of boron phosphide. Materials Research Express, 2016, 3, 074003.	0.8	55
26	A Transition from Localized to Strongly Correlated Electron Behavior and Mixed Valence Driven by Physical or Chemical Pressure in ACo₂As₂ (A = Eu and Ca). Journal of the American Chemical Society, 2016, 138, 2724-2731.	6.6	55
27	Introducing a Magnetic Guest to a Tetrel-Free Clathrate: Synthesis, Structure, and Properties of Eu_xBa_{8â€“x}Cu₁₆P₃₀ (0 â‰¤ x â‰¤ 1.5). Inorganic Chemistry, 2011, 50, 10387-10396.	1.9	53
28	Electrocatalytic Performance and Stability of Nanostructured Feâ€“Ni Pyrite-Type Diphosphide Catalyst Supported on Carbon Paper. Journal of Physical Chemistry C, 2016, 120, 16537-16544.	1.5	53
29	NiP₂: A Story of Two Divergent Polymorphic Multifunctional Materials. Chemistry of Materials, 2019, 31, 3407-3418.	3.2	52
30	Crystallographic facet selective HER catalysis: exemplified in FeP and NiP₂ single crystals. Chemical Science, 2020, 11, 5007-5016.	3.7	51
31	Twisted Kelvin Cells and Truncated Octahedral Cages in the Crystal Structures of Unconventional Clathrates, AM₂P₄ (A = Sr, Ba; M = Cu, Ni). Chemistry of Materials, 2015, 27, 4476-4484.	3.2	48
32	GeP and (Ge1â^'Sn)(P1â^'Ge) (xâ‰ˆ0.12, yâ‰ˆ0.05): Synthesis, structure, and properties of two-dimensional layered tetrel phosphides. Journal of Solid State Chemistry, 2015, 224, 62-70.	1.4	48
33	Tuning Ferro- and Metamagnetic Transitions in Rare-Earth Cobalt Phosphides La_{1â^'x}Pr_xCo₂P₂. Chemistry of Materials, 2010, 22, 1704-1713.	3.2	45
34	Elusive Î²-Zn8Sb7: A New Zinc Antimonide Thermoelectric. Journal of the American Chemical Society, 2015, 137, 12474-12477.	6.6	45
35	High-efficiency thermoelectric Ba₈Cu₁₄Ge₆P₂₆: bridging the gap between tetrel-based and tetrel-free clathrates. Chemical Science, 2017, 8, 8030-8038.	3.7	44
36	Bromine-promoted PtZn is very effective for the chemoselective hydrogenation of crotonaldehyde. Journal of Catalysis, 2009, 261, 60-65.	3.1	43

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37	A Solution for Solution-Produced Î²-FeSe: Elucidating and Overcoming Factors that Prevent Superconductivity. Chemistry of Materials, 2015, 27, 588-596.	3.2	42
38	â€œChemical Metamagnetismâ€• From Antiferromagnetic PrCo₂P₂ to Ferromagnetic Pr_{0.8}Eu_{0.2}Co₂P₂ via Chemical Compression. Chemistry of Materials, 2011, 23, 3021-3024.	3.2	41
39	Synthesis of Panchromatic Ru(II) Thienyl-Dipyrrin Complexes and Evaluation of Their Light-Harvesting Capacity. Inorganic Chemistry, 2012, 51, 1614-1624.	1.9	41
40	Unconventional Clathrates with Transition Metalâ€“Phosphorus Frameworks. Accounts of Chemical Research, 2018, 51, 31-39.	7.6	41
41	TTF-Annulated Phenanthroline and Unexpected Oxidative Cleavage of the Câ•C Bond in Its Ruthenium(II) Complex. Inorganic Chemistry, 2010, 49, 1307-1309.	1.9	40
42	Bulk and Surface Structure and Highâ€Temperature Thermoelectric Properties of Inverse Clathrateâ€II in the Siâ€Pâ€Te System. Chemistry - A European Journal, 2010, 16, 12582-12589.	1.7	39
43	Chemical Excision of Tetrahedral FeSe₂ Chains from the Superconductor FeSe: Synthesis, Crystal Structure, and Magnetism of Fe₃Se₄(en)₂. Journal of the American Chemical Society, 2013, 135, 19111-19114.	6.6	38
44	Orbital Crossings Activated through Electron Injection: Opening Communication between Orthogonal Orbitals in Anionic C1â€“C5 Cyclizations of Enediynes. Journal of the American Chemical Society, 2016, 138, 15617-15628.	6.6	38
45	Mgï£¿Sïï£¿As: An Unexplored System with Promising Nonlinear Optical Properties. Advanced Functional Materials, 2018, 28, 1801589.	7.8	38
46	Intricate Short-Range Ordering and Strongly Anisotropic Transport Properties of Li_{1â€“x}Sn_{2+x}As₂. Journal of the American Chemical Society, 2015, 137, 3622-3630.	6.6	37
47	The Smaller the Better: Hosting Trivalent Rare-Earth Guests in Cuâ€“P Clathrate Cages. CheM, 2018, 4, 1465-1475.	5.8	35
48	Synergistic Computationalâ€“Experimental Discovery of Highly Selective PtCu Nanocluster Catalysts for Acetylene Semihydrogenation. ACS Catalysis, 2020, 10, 451-457.	5.5	35
49	Synthesis, Structures, and Magnetic Properties of Rare-Earth Cobalt Arsenides, RCo₂As₂ (R = La, Ce, Pr, Nd). Chemistry of Materials, 2014, 26, 3825-3837.	3.2	34
50	Tellurium Speciation, Connectivity, and Chemical Order in As_xTe_{100â€“x} Glasses: Results from Two-Dimensional ¹²⁵Te NMR Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 2081-2088.	1.2	34
51	Comment on â€œSingle-Crystal X-ray Structure of 1,3-Dimethylcyclobutadiene by Confinement in a Crystalline Matrixâ€• Science, 2010, 330, 1047-1047.	6.0	33
52	Growth of large PdGa single crystals from the melt. Intermetallics, 2010, 18, 1663-1668.	1.8	33
53	Heteroleptic Fe^{II} Complexes of 2,2â€²â€Biimidazole and Its Alkylated Derivatives: Spinâ€Crossover and Photomagnetic Behavior. Chemistry - A European Journal, 2012, 18, 15805-15815.	1.7	33
54	Structure of Amorphous Selenium by 2D ⁷⁷Se NMR Spectroscopy: An End to the Dilemma of Chain versus Ring. Angewandte Chemie - International Edition, 2017, 56, 9777-9781.	7.2	33

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55	PdGa and Pd3Ga7: Highly-Selective Catalysts for the Acetylene Partial Hydrogenation. Studies in Surface Science and Catalysis, 2006, , 481-488.	1.5	32
56	BaAu2P4: Layered Zintl Polyphosphide with Infinite â^ž1(Pâ€“) Chains. Inorganic Chemistry, 2013, 52, 7061-7067.	1.9	32
57	Ba and Sr Binary Phosphides: Synthesis, Crystal Structures, and Bonding Analysis. Inorganic Chemistry, 2015, 54, 8608-8616.	1.9	31
58	Breaking the Tetraâ€Coordinated Framework Rule: New Clathrate Ba₈M₂₄P_{28+Î´} (M=Cu/Zn). Angewandte Chemie - International Edition, 2017, 56, 2418-2422.	7.2	31
59	Predictive Synthesis. Chemistry of Materials, 2021, 33, 4835-4841.	3.2	31
60	mPâ€BaP₃: A New Phase from an Old Binary System. Chemistry - A European Journal, 2014, 20, 10829-10837.	1.7	30
61	Spin Crossover in Tetranuclear Fe(II) Complexes, {[(tpma)Fe(Î¼-CN)]₄}X₄ (X =) Tj ETQq1 1 0.784314 rgBT 13070-13077.	1.9	28
62	Control over connectivity and magnetism of tetrahedral FeSe₂ chains through coordination Feâ€“amine complexes. Chemical Communications, 2015, 51, 5355-5358.	2.2	27
63	IIIâ€“V Clathrate Semiconductors with Outstanding Hole Mobility: Cs8In27Sb19 and A8Ga27Sb19 (A = Cs,) Tj ETQq1 1 0.784314 rgB	6.6	27
64	Noncentrosymmetric Tetrel Pnictides RuSi₄P₄ and IrSi₃P₃: Nonlinear Optical Materials with Outstanding Laser Damage Threshold. Advanced Functional Materials, 2021, 31, 2010293.	7.8	27
65	High-Temperature Magnetism as a Probe for Structural and Compositional Uniformity in Ligand-Capped Magnetite Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 28322-28329.	1.5	26
66	Distorted Phosphorus and Copper Square-Planar Layers in LaCu_{1+x}P₂ and LaCu₄P₃: Synthesis, Crystal Structure, and Physical Properties. Inorganic Chemistry, 2015, 54, 890-897.	1.9	26
67	Spin-Glass Behavior in LaFe_xCo_{2â€“x}P₂ Solid Solutions: Interplay Between Magnetic Properties and Crystal and Electronic Structures. Inorganic Chemistry, 2011, 50, 10274-10283.	1.9	25
68	Emerging nanostructured electrode materials for water electrolysis and rechargeable beyond Li-ion batteries. Advances in Physics: X, 2017, 2, 211-253.	1.5	25
69	Combined experimental and theoretical study of acetylene semi-hydrogenation over Pd/Al2O3. International Journal of Hydrogen Energy, 2020, 45, 1283-1296.	3.8	25
70	Refinement of the crystal structure of dipalladium gallium, Pd2Ga. Zeitschrift Fur Kristallographie - New Crystal Structures, 2008, 223, 7-8.	0.1	24
71	Sn4As3 revisited: Solvothermal synthesis and crystal and electronic structure. Journal of Solid State Chemistry, 2009, 182, 630-639.	1.4	24
72	Magnetism in Giant Unit Cells â€“ Crystal Structure and Magnetic Properties of R₁₁₇Co_{52+Î´}Sn_{112+Î³} (R = Sm, Tb, Dy). European Journal of Inorganic Chemistry, 2011, 2011, 3955-3962.	1.0	24

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73	Complexes with Redox-Active Ligands: Synthesis, Structure, and Electrochemical and Photophysical Behavior of the Ru(II) Complex with TTF-Annulated Phenanthroline. Inorganic Chemistry, 2013, 52, 8040-8052.	1.9	23
74	Synthesis of ThCr2Si2-type arsenides from Bi flux. Chemical Communications, 2011, 47, 5563-5565.	2.2	22
75	Glasslike ordering and spatial inhomogeneity of magnetic structure in Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>FeRu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>	1.1	22
76	NHC-Stabilized Au₁₀ Nanoclusters and Their Conversion to Au₂₅ Nanoclusters. Jacs Au, 2022, 2, 875-885.	3.6	22
77	Controlling superstructural ordering in the clathrate-I Ba8M16P30(M = Cu, Zn) through the formation of metalâ€“metal bonds. Chemical Science, 2017, 8, 3650-3659.	3.7	21
78	Chemical Bonding and Transport Properties in Clathrates-I with Cuâ€“Znâ€“P Frameworks. Chemistry of Materials, 2018, 30, 3419-3428.	3.2	21
79	Synthesis, crystal structure, and thermoelectric properties of two new barium antimony selenides: Ba₂Sb₂Se₅and Ba₆Sb₇Se_{16.11}. Journal of Materials Chemistry C, 2015, 3, 9811-9818.	2.7	20
80	Synthesis, Crystal Structure, and Properties of La₄Zn₇P₁₀ and La₄Mg_{1.5}Zn_{8.5}P₁₂. Inorganic Chemistry, 2017, 56, 783-790.	1.9	20
81	Superstructural Ordering in Hexagonal CuInSe₂ Nanoparticles. Chemistry of Materials, 2019, 31, 260-267.	3.2	20
82	Enclathration of X@La4 Tetrahedra in Channels of Znâ€“P Frameworks in La3Zn4P6X (X = Cl, Br). Chemistry of Materials, 2016, 28, 4741-4750.	3.2	18
83	Flux Growth of Phosphide and Arsenide Crystals. Frontiers in Chemistry, 2020, 8, 186.	1.8	18
84	Phonon glass behavior beyond traditional cage structures: synthesis, crystal and electronic structure, and properties of KMg4Sb3. Journal of Materials Chemistry A, 2018, 6, 4759-4767.	5.2	17
85	Synthesis, Crystal Structure, and Properties of Three Laâ€“Znâ€“P Compounds with Different Dimensionalities of the Znâ€“P Framework. Crystal Growth and Design, 2018, 18, 4076-4083.	1.4	17
86	Chemical Flexibility of Mg in Pnictide Materials: Structure and Properties Diversity. Chemistry of Materials, 2019, 31, 8286-8300.	3.2	17
87	Chemical and Electrochemical Lithiation of van der Waals Tetrelâ€Arsenides. Chemistry - A European Journal, 2019, 25, 6392-6401.	1.7	17
88	Crystal and Electronic Structure and Optical Properties of AE₂SiP₄ (AE = Sr, Eu, Ba) and Ba₄Si₃P₈. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 242-247.	0.6	17
89	Critical Review of Platinum Group Metal-Free Materials for Water Electrolysis: Transition from the Laboratory to the Market. Johnson Matthey Technology Review, 2021, 65, 207-226.	0.5	17
90	Modification of magnetic anisotropy through<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi><mml:mo>â”</mml:mo><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:mrow></mml:math> in La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.75</mml:mn></mml:mrow></mml:msub></mml:math>Pr<mml:math xmlns:mm	1.1	16

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91	Heisenberg-like ferromagnetism in3dâ^'4fintermetallicLa0.75Pr0.25Co2P2with localized Co moments. Physical Review B, 2014, 90, .	1.1	16
92	Synthesis-enabled exploration of chiral and polar multivalent quaternary sulfides. Chemical Science, 2021, 12, 14718-14730.	3.7	16
93	Synthesis, Crystal, and Electronic Structure of Ba₃Sb₂Q₇ (Q = S, Se). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1087-1092.	0.6	15
94	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
95	Directing Boronâ€"Phosphorus Bonds in Crystalline Solid: Oxidative Polymerization of Pâ•Bâ•P Monomers into 1D Chains. Journal of the American Chemical Society, 2019, 141, 13017-13021.	6.6	15
96	Synthesis and Characterization of Single-Phase Metal Dodecaboride Solid Solutions: Zr_{1â€"x}Y_xB₁₂ and Zr_{1â€"x}U_xB₁₂. Journal of the American Chemical Society, 2019, 141, 9047-9062.	6.6	15
97	Third time's the charm: intricate non-centrosymmetric polymorphism in LnSiP₃ (Ln = La and Ce) induced by distortions of phosphorus square layers. Dalton Transactions, 2021, 50, 6463-6476.	1.6	15
98	Synthesis, crystal structure, and advanced NMR characterization of a low temperature polymorph of SiSe₂. Journal of Materials Chemistry A, 2016, 4, 11276-11283.	5.2	14
99	Unconventional magnetism in ThCr₂Si₂-type phosphides, La_{1â^'x}Nd_xCo₂P₂. Journal of Materials Chemistry C, 2014, 2, 7561.	2.7	13
100	Scalable colloidal synthesis of Bi₂Te_{2.7}Se_{0.3} plate-like particles give access to a high-performing n-type thermoelectric material for low temperature application. Nanoscale Advances, 2020, 2, 5699-5709.	2.2	13
101	Zintl Salts Ba2P7X (X = Cl, Br, and I): Synthesis, Crystal, and Electronic Structures. Crystals, 2013, 3, 431-442.	1.0	12
102	NH₄FeCl₂(HCOO): Synthesis, Structure, and Magnetism of a Novel Low-Dimensional Magnetic Material. Inorganic Chemistry, 2014, 53, 3162-3169.	1.9	12
103	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
104	New Noncentrosymmetric Tetrel Pnictides Composed of Squareâ€Planar Gold(I) with Peculiar Bonding. Chemistry - A European Journal, 2021, 27, 7383-7390.	1.7	11
105	Large-Scale Synthesis of Semiconducting Cu(In,Ga)Se2 Nanoparticles for Screen Printing Application. Nanomaterials, 2021, 11, 1148.	1.9	10
106	Compositional Fluctuations Mediated by Excess Tellurium in Bismuth Antimony Telluride Nanocomposites Yield High Thermoelectric Performance. Journal of Physical Chemistry C, 2021, 125, 20184-20194.	1.5	10
107	Non-innocent Intercalation of Diamines into Tetragonal FeS Superconductor. ACS Applied Energy Materials, 2021, 4, 42-46.	2.5	10
108	Complex Metallic Phases in Catalysis. , 2010, , 385-399.		9

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109	Two-dimensional metal NaCu_{6.3}Sb₃and solid-state transformations of sodium copper antimonides. Dalton Transactions, 2017, 46, 12438-12445.	1.6	9
110	Aliovalent substitutions of the 2D layered semiconductor GeAs. Journal of Solid State Chemistry, 2019, 276, 361-367.	1.4	9
111	Dicyanometalates as Building Blocks for Multinuclear Iron(II) Spin-Crossover Complexes. Inorganic Chemistry, 2019, 58, 11920-11926.	1.9	9
112	Tuning Feâ€“Se Tetrahedral Frameworks by a Combination of [Fe(en)₃]²⁺ Cations and Cl^{â€“} Anions. Inorganic Chemistry, 2020, 59, 13353-13363.	1.9	9
113	Chemically driven superstructural ordering leading to giant unit cells in unconventional clathrates Cs8Zn18Sb28 and Cs8Cd18Sb28. Chemical Science, 2020, 11, 10255-10264.	3.7	9
114	Clathrate BaNi₂P₄: An Interplay of Heat and Charge Transport Due to Strong Hostâ€“Guest Interactions. Chemistry of Materials, 2020, 32, 7932-7940.	3.2	9
115	Synthesis, crystal structure, and magnetic properties of quaternary iron selenides: Ba2FePnSe5 (Pn=Sb, Bi). Journal of Solid State Chemistry, 2016, 242, 22-27.	1.4	8
116	Complex magnetic phase diagram with multistep spin-flop transitions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>0.25</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">P</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mrow><mml:mn>0.75</mml:mn></mml:mrow></mml:msub><mml:mi	1.1	8
117	Giant anisotropy detected. Nature Photonics, 2018, 12, 382-383.	15.6	8
118	Superseding van der Waals with Electrostatic Interactions: Intercalation of Cs into the Interlayer Space of SiAs₂. Inorganic Chemistry, 2019, 58, 4997-5005.	1.9	8
119	Synthesis, Crystal and Electronic Structure of La 2 SiP 4. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 91-97.	0.6	8
120	Crystal Structure and Properties of Layered Pnictides BaCuSi₂Pn₃ (Pn = P, As). Inorganic Chemistry, 2021, 60, 5627-5634.	1.9	8
121	Pd and octahedra do not get along: Square planar [PdS4] units in non-centrosymmetric La6PdSi2S14. Journal of Alloys and Compounds, 2022, 902, 163756.	2.8	8
122	Control of magnetic ordering by altering Coâ€“Co distances in La0.9R0.1Co2P2 (R=Ce, Pr, Nd, and Sm) phases with ThCr2Si2-type structures. Journal of Applied Physics, 2010, 107, 09E316.	1.1	7
123	Resonant inelastic X-ray scattering (RIXS) on magnetic EuCo2P2-based systems. JETP Letters, 2012, 96, 44-48.	0.4	7
124	Sr₂P₇X (X = Cl, Br, and I): Synthesis, Crystal and Electronic Structures of Double Zintl Salts Containing Heptaphosphanortricyclane, P₇^{3â€“}. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1422-1427.	0.6	7
125	LiSi₃As₆and Li₂SiAs₂with flexible SiAs₂polyanions: synthesis, structure, bonding, and ionic conductivity. Journal of Materials Chemistry A, 2020, 8, 3322-3332.	5.2	7
126	Nonâ€Linear Optical Properties of the (RE)₃CuGeS₇ Family of Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	0.6	7

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127	Trimetallic [M3(dpa)4]2+Complexes (M = Co, Ni) as Building Blocks for Cyano-Bridged Coordination Polymers. European Journal of Inorganic Chemistry, 2012, 2012, 4652-4660.	1.0	6
128	Tris(ethylenediamine)cobalt(II) dichloride. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m332-m332.	0.2	6
129	Synthesis, Crystal Structure, and Magnetic Properties of R₂Mg₃SiPn₆ (R = La, Ce; Pn = P, As). Inorganic Chemistry, 2017, 56, 8348-8354.	1.9	6
130	Add a Pinch of Tetrel: The Transformation of a Centrosymmetric Metal into a Nonsymmorphic and Chiral Semiconductor. Chemistry - A European Journal, 2022, 28, .	1.7	6
131	Synthesis, crystal growth, structural and magnetic characterization of NH4MCl2(HCOO), M=(Fe, Co,) Tj ETQq1 1 0.784314 rgBT /Ove	1.4	5
132	Synthesis, crystal and electronic structure, and optical properties of two new chalcogenide-iodides: Ba3Q4I2 (Q = S, Se). Inorganic Chemistry Frontiers, 2016, 3, 306-312.	3.0	5
133	Breaking the Tetraâ€Coordinated Framework Rule: New Clathrate Ba₈M₂₄P_{28+Î´} (M=Cu/Zn). Angewandte Chemie, 2017, 129, 2458-2462.	1.6	5
134	A Series of Chiral, Polar, Homospin Topological Ferrimagnets: M₃(OOCH)₅Cl(OH₂) (M = Fe, Co, Ni). Chemistry of Materials, 2017, 29, 7716-7724.	3.2	5
135	Topological doping effects in 2D chalcogenide thermoelectrics. 2D Materials, 2018, 5, 045008.	2.0	5
136	Magnetism of Rareâ€Earth Cobalt Phosphides GdCo₃P₂ and GdCo₅P₃. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 2013-2017.	0.6	4
137	Fest/Gasâ€Reaktion zur Darstellung von getrÃgerten interÂmetallischen Gaâ€Pd Katalysatormaterialien. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1061-1068.	0.6	4
138	Virtual Issue on Thermoelectric Materials. Chemistry of Materials, 2016, 28, 2463-2465.	3.2	4
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