

Wolfgang Bensch

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

598 papers	9,791 citations	46 h-index	64 g-index
781 ext. papers	10,604 ext. citations	3.5 avg, IF	6.29 L-index

#	Paper	IF	Citations
598	Synthesis and crystal structure of poly[[di-tetra-thio-anti-monato-tris-[(cyclam)cobalt(II)] aceto-nitrile disolvate dihydrate] (cyclam = 1,4,8,11-tetra-aza-cyclo-tetra-deca-ne).. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2022 , 78, 270-274	0.7	1
597	Time-dependent investigation of a mechanochemical synthesis of bismuth telluride-based materials and their structural and thermoelectric properties.. <i>Royal Society Open Science</i> , 2022 , 9, 2107143	4.3	3
596	Crystal structure of tetra-thio-anti-monato-tris[(cyclam)zinc(II)] tetra-thio-anti-monate aceto-nitrile disolvate dihydrate showing Zn disorder over the cyclam ring planes (cyclam = 1,4,8,11-tetra-aza-cyclo-tetra-deca-ne).. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2022 , 78, 183-187	0.7	0
595	Synthesis and crystal structure of bis-[-bis-(2-amino-eth-yl)ethane-1,2-di-amine]-bis-[-bis-(2-amino-eth-yl)ethane-1,2-di-amine]-bixido-hexa-bixido-octa-bixido-nona-deca-hydrate.. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021 , 77, 1253-1257	0.7	0
594	Long-Term Stable, High-Capacity Anode Material for Sodium-Ion Batteries: Taking a Closer Look at CrPS from an Electrochemical and Mechanistic Point of View. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 54936-54950	9.5	0
593	Synthesis and Selected Properties of New Complex Cation Decorated Polyoxotantalates. <i>Crystal Growth and Design</i> , 2021 , 21, 7128-7138	3.5	1
592	The cation and anion bonding modes make a difference: an unprecedented layered structure and a tri(hetero)nuclear moiety in thioantimonates(V). <i>Dalton Transactions</i> , 2021 ,	4.3	2
591	The Coordination Polymer Cr(en)2As2VO7 Consisting of Alternating VO4 Tetrahedra and As2O5 Handles Decorated by Cr3+ Centered Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 992-997	1.3	0
590	CuFeS as a Very Stable High-Capacity Anode Material for Sodium-Ion Batteries: A Multimethod Approach for Elucidation of the Complex Reaction Mechanisms during Discharge and Charge Processes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26034-26045	9.5	0
589	Mechanochemical Synthesis and Magnetic Characterization of Nanosized Cubic Spinel FeCrS Particles. <i>ACS Omega</i> , 2021 , 6, 13375-13383	3.9	1
588	Synthesis, Spectral Characterization and Crystal Structures of Five Organic Ammonium Tetrasulfidomolybdates. <i>ChemistrySelect</i> , 2021 , 6, 4750-4760	1.8	0
587	Acceleration of Crystallization Kinetics in Ge-Sb-Te-Based Phase-Change Materials by Substitution of Ge by Sn. <i>Advanced Functional Materials</i> , 2021 , 31, 2004803	15.6	3
586	Room Temperature Synthesis, Crystal Structure, Water Sorption, and Thermal and Electronic Properties of {[Cu(phen)]2[Cu(phen)2]2Nb6O19}·24H2O. <i>Crystal Growth and Design</i> , 2021 , 21, 156-165	3.5	3
585	An Exotic Layered Compound Consisting of Interconnected Arsenato-Polyoxovanadate Clusters: Thermal and Magnetic Properties and Liquid Phase Exfoliation. <i>ChemNanoMat</i> , 2021 , 7, 78-84	3.5	4
584	Mn2+ substitution within the {V14As8} polyoxovanadate archetype results in {Mn2V12As8} shells with trans-positioned heterometal positions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 2098	1.3	0
583	Synthesis, crystal structure and selected properties of K2[Ni(dien)2][Ni(dien)]2Ta6O19]·1 H2O. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021 ,	1	1
582	Superior Sodium Storage Properties in the Anode Material NiCr S for Sodium-Ion Batteries: An X-ray Diffraction, Pair Distribution Function, and X-ray Absorption Study Reveals a Conversion Mechanism via Nickel Extrusion. <i>Advanced Materials</i> , 2021 , 33, e2101576	24	3

581	Colloidally stable, magnetoresponsive liquid crystals based on clay nanosheets. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12732-12740	7.1	1
580	Three intersecting {V} rings: {VSb}, an ultra-large polyoxovanadate cluster shell. <i>Chemical Communications</i> , 2021 , 57, 7661-7664	5.8	1
579	Large Anomalous Hall Effect and Slow Relaxation of the Magnetization in Fe _{1/3} TaS ₂ . <i>Journal of Physical Chemistry C</i> , 2020 , 124, 24984-24994	3.8	2
578	[Mn(terpy)Sb ₂ S ₄] _n , a 1D Network of MnSb ₄ S ₅ Rings Exhibiting a Pronounced Magnetocaloric Effect and Luminescence. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1751-1758	2.3	2
577	Crystal Structures and Selected Properties of Coll Containing Thiostannates prepared by a New Room Temperature Route. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 234-240	1.3	
576	Capturing the Heptaniobate {Nb ₇ O ₂₂ } ⁹⁻ Anion by Covalent Bond Formation: Synthesis, Crystal Structure, and Selected Properties of {[Fe(cyclam)] ₃ Nb ₇ O ₂₂ }·9 H ₂ O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 193-198	1.3	5
575	Degradation of Sesame Oil Phenolics Using Magnetic Immobilized Laccase. <i>Catalysis Letters</i> , 2020 , 150, 3086-3095	2.8	2
574	A Coordination Polymer based on Interconnection of Thioantimonate(III) and [Mn(terpy)] ²⁺ Complexes: Synthesis, Crystal Structure, and Properties of {[Mn(terpy)] ₂ Sb ₄ S ₈]·0.5H ₂ O}. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 849-855	1.3	2
573	New pronounced progress in the synthesis of group 5 polyoxometalates. <i>CrystEngComm</i> , 2020 , 22, 3254-3268	3.9	12
572	Synthesis and crystal structure of -poly[[bis[(2,2';6',2''-terpyridine)-manganese(II)]-penta-thio-dianti-monato] tetra-hydrate] showing a 1D MnSbS network. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020 , 76, 32-37	0.7	3
571	Synthesis and crystal structure of (1,4,7,10-tetra-aza-cyclo-dodecane- η^4 -(tetra-sulfido- η^4))manganese(II). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020 , 76, 456-460	0.7	1
570	Hexaniobate anions connected by [Ni(cyclam)] ²⁺ complexes yield two interpenetrating three-dimensional networks. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2020 , 75, 583-588	1	3
569	Morphology, microstructure, coordinative unsaturation, and hydrogenation activity of unsupported MoS ₂ : How idealized models fail to describe a real sulfide material. <i>Applied Catalysis B: Environmental</i> , 2020 , 266, 118623	21.8	5
568	HfTe: Enhancing Magnetoresistance Properties by Improvement of the Crystal Growth Method. <i>Inorganic Chemistry</i> , 2020 , 59, 1117-1124	5.1	5
567	A hexaniobate expanded by six [Hg(cyclam)] ²⁺ complexes via Hg \cdots S bonds yields a positively charged polyoxoniobate cluster. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2020 , 75, 233-237	1	5
566	What happens structurally and chemically during sodium uptake and release by Ni ₂ P ₂ S ₆ : a combined X-ray diffraction, X-ray absorption, pair distribution function and MAS NMR analysis. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22401-22415	13	3
565	CuCo ₂ S ₄ Deposited on TiO ₂ : Controlling the pH Value Boosts Photocatalytic Hydrogen Evolution. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3692-3702	2.3	1
564	Room Temperature Synthesis of New Thiostannates by Slow Interdiffusion of Different Solvents. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1352-1358	1.3	2

563	Re-investigation of Barium-Gold(I)-Tetra-Thiostannate(IV), Ba[Au ₂ SnS ₄], with Short AuI ↔ AuII Separation Showing Luminescence Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1716-1721	1.3	0
562	Bond Formation upon Water Removal in an Unusual Pseudo-Topotactic Reaction Investigated by Single-Crystal Structure and in Situ Synchrotron X-ray Powder Diffraction Analysis. <i>Crystal Growth and Design</i> , 2019 , 19, 5743-5750	3.5	4
561	Nanostructured tungsten sulfides: insights into precursor decomposition and the microstructure using X-ray scattering methods. <i>Dalton Transactions</i> , 2019 , 48, 1184-1201	4.3	9
560	Synthesis and Characterization of a Rare Transition-Metal Oxothiostannate and Investigation of Its Photocatalytic Properties. <i>Inorganic Chemistry</i> , 2019 , 58, 2354-2362	5.1	6
559	New Transition Metal Oxo-Thiostannate: Synthesis, Characterization, and Investigation of its Photocatalytic Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 433-439	1.3	3
558	Unveiling the Reaction Mechanism during Li Uptake and Release of Nanosized "NiFeMnO": Operando X-ray Absorption, X-ray Diffraction, and Pair Distribution Function Investigations. <i>ACS Omega</i> , 2019 , 4, 2398-2409	3.9	9
557	Synthesis, Crystal Structure, and Selected Properties of [Au(S CNH)]SCN: A Precursor for Gold Macro-Needles Consisting of Gold Nanoparticles Glued by Graphitic Carbon Nitride. <i>Chemistry - A European Journal</i> , 2019 , 25, 6763-6772	4.8	4
556	Exploring the Cu-In-S System under Solvothermal Conditions near the Composition CuIn ₅ S ₈ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 198-206	1.3	1
555	Soluble Hetero-Polyoxovanadates and Their Solution Chemistry Analyzed by Electrospray Ionization Mass Spectrometry. <i>Chemistry - A European Journal</i> , 2019 , 25, 1405-1419	4.8	18
554	Liquid Exfoliation of Ni ₂ P ₂ S ₆ : Structural Characterization, Size-Dependent Properties, and Degradation. <i>Chemistry of Materials</i> , 2019 , 31, 9127-9139	9.6	5
553	High-Pressure Sintering of Rhombohedral Cr ₂ S ₃ Using Titanium-Zirconium-Molybdenum Tools. <i>Advanced Engineering Materials</i> , 2019 , 21, 1900430	3.5	5
552	The First Thiostannate Compound with Copper(II) Synthesized Under Ambient Conditions: Crystal Structure, Electronic and Thermal Properties. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 4427-4432	2.2	2
551	Synthesis, Crystal Structure, and Thermal Properties of Na ₅ [SnS ₄]Cl · 3H ₂ O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 1165-1170	1.3	1
550	Purification by SPS and formation of a unique 3D nanoscale network: the showcase of Ni ₃ Cr ₂ B ₄ . <i>Journal of Materials Chemistry C</i> , 2019 , 7, 15188-15196	7.1	3
549	New Water-Soluble Cluster Compound {Zn(en) } [V Sb O (H O)]? (Ethylenediamine) ?10 H O as a Synthon for the Generation of Two New Antimonato Polyoxovanadates. <i>Chemistry - A European Journal</i> , 2018 , 24, 5522-5528	4.8	14
548	Konfigurationsisomerie in Polyoxovanadaten. <i>Angewandte Chemie</i> , 2018 , 130, 3024-3028	3.6	4
547	Investigation of the phase change mechanism of Ge ₆ Sn ₂ Sb ₂ Te ₁₁ . <i>Acta Materialia</i> , 2018 , 152, 278-287	8.4	12
546	Ordnung muss sein: heteroelement order and disorder in polyoxovanadates. <i>Dalton Transactions</i> , 2018 , 47, 6672-6674	4.3	4

545	Configurational Isomerism in Polyoxovanadates. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2972-2975	16.4	28
544	Rational Syntheses of Three New {V ₁₄ Sb ₈ } Clusters Applying a Water-Soluble High-Nuclearity Cluster as Synthone. <i>Crystal Growth and Design</i> , 2018 , 18, 6100-6106	3.5	7
543	Elucidation of the Sodium/Copper Extrusion Mechanism in CuCrS ₂ : A High Capacity, Long-Life Anode Material for Sodium-Ion Batteries. <i>Batteries and Supercaps</i> , 2018 , 1, 176-183	5.6	11
542	Controlling Fast Nucleation and Crystallization of Two New Polyoxoniobates. <i>Crystal Growth and Design</i> , 2018 , 18, 4130-4139	3.5	15
541	Temperature-dependent synchrotron X-ray diffraction, pair distribution function and susceptibility study on the layered compound CrTe ₃ . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018 , 233, 361-370	1	3
540	Using light, X-rays and electrons for evaluation of the nanostructure of layered materials. <i>Nanoscale</i> , 2018 , 10, 21142-21150	7.7	10
539	On the influence of the titanium source on the composition and structure of novel titanoniobates. <i>Dalton Transactions</i> , 2018 , 47, 15103-15113	4.3	11
538	Elucidation of the Sodium/Copper Extrusion Mechanism in CuCrS ₂ : A High Capacity, Long-Life Anode Material for Sodium-Ion Batteries. <i>Batteries and Supercaps</i> , 2018 , 1, 170-170	5.6	
537	Mixing Sb ^{III} and Ge ^{IV} occupancy in the polyoxovanadate {V ₁₄ E ₈ } archetype. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2018 , 73, 773-779	1	0
536	The Hazardous Origin of Photocatalytic Activity of ZnCr ₂ O ₄ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 564-573	1.3	4
535	In-situ Complex and Sb-N Bond Formation in an Antimonato Polyoxovanadate Reaction System. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1508-1512	1.3	1
534	Transition metal cations on the move: simultaneous operando X-ray absorption spectroscopy and X-ray diffraction investigations during Li uptake and release of a NiFeO/CNT composite. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 19129-19141	3.6	10
533	Investigation of electronic and local structural changes during lithium uptake and release of nano-crystalline NiFe ₂ O ₄ by X-ray absorption spectroscopy. <i>Journal of Power Sources</i> , 2017 , 342, 56-63	8.9	21
532	In situ ligand exchange-mediated 0D/1D transformation of a polyoxovanadate. <i>Dalton Transactions</i> , 2017 , 46, 1618-1623	4.3	12
531	Studies of the reactivity of {[Ni(tren)] ₂ [Sn ₂ S ₆]} : Synthesis and crystal structures of two new thioannates prepared at room temperature. <i>Inorganica Chimica Acta</i> , 2017 , 459, 29-35	2.7	8
530	Synthesis, Crystal Structure and Selected Properties of Mono(dithiocarbamate)-gold(I), Au ₂ SCNH ₂ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 466-470	1.3	2
529	CuVS: A High Rate Capacity and Stable Anode Material for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21283-21291	9.5	44
528	Covalent Co-O-V and Sb-N Bonds Enable Polyoxovanadate Charge Control. <i>Inorganic Chemistry</i> , 2017 , 56, 7120-7126	5.1	14

527	Enhanced temperature stability and exceptionally high electrical contrast of selenium substituted Ge ₂ Sb ₂ Te ₅ phase change materials. <i>RSC Advances</i> , 2017 , 7, 17164-17172	3.7	17
526	Experimental and theoretical investigation of the chromium–manganese–antimony system. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2017 , 232, 235-244	1	
525	Investigating the Influence of Resonant Bonding on the Optical Properties of Phase Change Materials (GeTe) _x SnSb ₂ Se ₄ . <i>Chemistry of Materials</i> , 2017 , 29, 9320-9327	9.6	13
524	Structural properties of the thermoelectric material CuCrS ₂ and of deintercalated Cu _x CrS ₂ on different length scales: X-ray diffraction, pair distribution function and transmission electron microscopy studies. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9331-9338	7.1	13
523	Fast Room Temperature Synthesis of the Thiostannate [Ni(amp) ₃] ₂ [Sn ₂ S ₆] ₃ ·5H ₂ O: Crystal Structure and Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 1861-1866	1.3	8
522	Unprecedented Connection Mode of [V ₁₆ Sb ₄ O ₄₂ (H ₂ O)] ₈ Cluster Anions by Mn ²⁺ Centered Complexes: Solvothermal Synthesis and Properties of {[Mn(teta)] ₄ V ₁₆ Sb ₄ O ₄₂ (H ₂ O) _n [(H ₂ O) ₁₂] _n . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 1519-1524	1.3	3
521	Room-Temperature Synthesis of Three Compounds Featuring the [Ge ₄ S ₁₀] ₄ Anion from a Water-Soluble Thiogermanate Precursor. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4317-4323	3.3	6
520	Applying Ni(II) Amine Complexes and Sodium Thiostannate as Educts for the Generation of Thiostannates at Room Temperature. <i>Crystal Growth and Design</i> , 2017 , 17, 4766-4775	3.5	7
519	Large nonsaturating magnetoresistance and pressure-induced phase transition in the layered semimetal HfTe ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	20
518	Expansion of Germanato-Polyoxovanadate Cluster Cores: Solvothermal Syntheses and Selected Properties of (trenH ₂) ₂ [{M(tren)} ₄ V ₁₅ Ge ₆ O ₄₈ (H ₂ O)] (M = Co and Zn). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 155-159	1.3	2
517	{[Ni(1,2-dach) ₂ (ma)] ₄ [Sn ₁₀ S ₂₀ O ₄]} An Example of the Tin-Oxo-Sulfide Cluster with Uncommon Connection Mode Towards the Charge Compensating Ni(II) Complex. <i>Current Inorganic Chemistry</i> , 2017 , 6, 181-186		2
516	Electronic and magnetic properties of 2H-NbS ₂ intercalated by 3d transition metals. <i>Physical Review B</i> , 2016 , 94,	3.3	12
515	Nucleation and Crystal Growth of a {V ₁₄ Sb ₈ O ₄₂ } Cluster from a {V ₁₅ Sb ₆ O ₄₂ } Polyoxovanadate: In Situ XRD Studies. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 5393-5398	2.3	21
514	Fast Preparation of Dimorphic Thioantimonates and a Thioantimonate with a Hitherto Unknown Network Topology Applying a New Synthesis Approach. <i>Crystal Growth and Design</i> , 2016 , 16, 3802-3810	3.5	9
513	Small, beautiful and magnetically exotic: {V ₄ W ₂ }- and {V ₄ W ₄ }-type polyoxometalates. <i>Dalton Transactions</i> , 2016 , 45, 10519-22	4.3	8
512	High Nuclearity Antimonato-Polyoxovanadate Cluster {V ₁₅ Sb ₆ O ₄₂ } as a Synthone for the Solvothermal in situ Generation of μ - and μ_3 -[V ₁₄ Sb ₈ O ₄₂] Isomers. <i>Chemistry - A European Journal</i> , 2016 , 22, 7747-51	4.8	15
511	Catalysis of "outer-phase" oxygen atom exchange reactions by encapsulated "inner-phase" water in {VSb}-type polyoxovanadates. <i>Chemical Science</i> , 2016 , 7, 2684-2694	9.4	32
510	A New Solvothermal Synthetic Route Yields the New Thioantimonate [La(dien) ₃] ₂ [Sn ₂ S ₆] ₂ Cl ₂ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 25-30	1.3	3

509	High azobenzene functionalization enhances stability of the cis isomer: Periodic mesoporous organosilica network on the way to new light triggered applicable materials. <i>Microporous and Mesoporous Materials</i> , 2016 , 228, 30-36	5.3	7
508	Development of a new in situ analysis technique applying luminescence of local coordination sensors: principle and application for monitoring metal-ligand exchange processes. <i>Analyst, The</i> , 2016 , 141, 2588-94	5	20
507	Syntheses and structures of two new lithium-heptamolybdates. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 1166-1178	1.6	1
506	What Happens Structurally and Electronically during the Li Conversion Reaction of CoFe ₂ O ₄ Nanoparticles: An Operando XAS and XRD Investigation. <i>Chemistry of Materials</i> , 2016 , 28, 434-444	9.6	57
505	In Situ Studies on Phase Transitions of Tris(acetylacetonato)-Aluminum(III) Al(acac) ₃ . <i>Crystals</i> , 2016 , 6, 157	2.3	14
504	Dzyaloshinskii-Moriya interactions and magnetic texture in Fe films deposited on transition-metal dichalcogenides. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016 , 10, 218-221	2.5	4
503	Transition Metal Complexes with Linkage to the Thiostannate Units Forced by Suitable Amine Molecules. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 1427-1434	1.3	9
502	Elucidation of the Conversion Reaction of CoMnFeO ₄ Nanoparticles in Lithium Ion Battery Anode via Operando Studies. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15320-32	9.5	29
501	Room temperature synthesis, crystal structure and selected properties of the new compound [Mn ₂ (bipy) ₄ SbS ₄](ClO ₄). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2016 , 71, 395-401	1	5
500	The Role of Reduced Graphite Oxide in Transition Metal Oxide Nanocomposites Used as Li Anode Material: An Operando Study on CoFe O /rGO. <i>Chemistry - A European Journal</i> , 2016 , 22, 16929-16938	4.8	14
499	Synthesis, crystal structure and photochemistry of Hexakis(butan-1-aminium) heptamolybdate(VI) tetrahydrate. <i>Journal of Chemical Sciences</i> , 2016 , 128, 1737-1744	1.8	2
498	Room-Temperature Synthesis of Thiostannates from {[Ni(tren)] ₂ [Sn ₂ S ₆]} _n . <i>Inorganic Chemistry</i> , 2016 , 55, 7859-65	5.1	9
497	Nanostructure, thermoelectric properties, and transport theory of V ₂ VI ₃ and V ₂ VI ₃ /IVVI based superlattices and nanomaterials. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 662-671	1.6	9
496	Thermoelectric efficiency of (1 - x)(GeTe) x(Bi ₂ Se _{0.2} Te _{2.8}) and implementation into highly performing thermoelectric power generators. <i>Dalton Transactions</i> , 2015 , 44, 2835-43	4.3	33
495	Room temperature synthesis of an amorphous MoS ₂ based composite stabilized by N-donor ligands and its light-driven photocatalytic hydrogen production. <i>RSC Advances</i> , 2015 , 5, 67742-67751	3.7	11
494	Characterization of Cr-rich Cr-Sb multilayer films: Syntheses of a new metastable phase using modulated elemental reactants. <i>Journal of Solid State Chemistry</i> , 2015 , 230, 254-265	3.3	4
493	FeV ₂ S ₄ as a high capacity electrode material for sodium-ion batteries. <i>Chemical Communications</i> , 2015 , 51, 13500-3	5.8	33
492	In situ formation of a MoS ₂ -based inorganic-organic nanocomposite by directed thermal decomposition. <i>Chemistry - A European Journal</i> , 2015 , 21, 8918-25	4.8	7

491	Nanocomposite CdSe/Cr ₂ Se ₃ : Synthesis, Characterization, and in situ Transformation Study. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 214-220	1.3	1
490	Co-promoted MoS ₂ for hydrodesulfurization: New preparation method of MoS ₂ at room temperature and observation of massive differences of the selectivity depending on the activation atmosphere. <i>Applied Catalysis A: General</i> , 2015 , 497, 72-84	5.1	18
489	Semimetal-functionalised polyoxovanadates. <i>Chemical Society Reviews</i> , 2015 , 44, 8443-83	58.5	184
488	Is there a universal reaction mechanism of Li insertion into oxidic spinels: a case study using MgFe ₂ O ₄ . <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1549-1561	13	27
487	Electronic, magnetic, and transport properties of Fe-intercalated 2H-TaS ₂ studied by means of the KKR-CPA method. <i>Physical Review B</i> , 2015 , 92,	3.3	10
486	Fabrication and Comprehensive Structural and Transport Property Characterization of Nanoalloyed Nanostructured V ₂ VI ₃ Thin Film Materials 2015 , 55-72		
485	On Mono(dithiocarbamate)-silver(I), Ag ₂ SCNH ₂ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 1031-1035	1.3	3
484	A Keggin-Type Structure Expanded by an Eight-Membered Ring of Alternating Edge-Sharing VO ₅ and VO ₆ Polyhedra: Solvothermal Synthesis, Crystal Structure, and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 3285-3289	2.3	3
483	Two Pseudopolymorphic Star-Shaped Tetranuclear Co(3+) Compounds with Disulfide Anions Exhibiting Two Different Connection Modes and Promising Photocatalytic Properties. <i>Chemistry - A European Journal</i> , 2015 , 21, 13637-45	4.8	4
482	Crystal structure of tris-(N-methyl-salicylaldiminato- λ^2 N,O)vanadium(III). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, m225	0.7	1
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41	Die Kristallstruktur von Tris(N,N-Diethyl-N [?] -benzoylthioureato) Rhodium(III). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1992 , 615, 93-96	1.3	18
40	Crystal structure of cesium-bis(oxalato)oxo-titanate(IV) hydrate. <i>Inorganica Chimica Acta</i> , 1992 , 193, 99-103	1.3	11
39	Crystal structure and electrical properties of Ti _{0.72} V _{0.6} Se _{6.45} P _{1.55} . <i>Solid State Communications</i> , 1992 , 82, 851-855	1.6	11
38	Crystal structure, morphology and chemical reactivity of Ti _{0.72} V _{0.6} Se _{6.45} P _{1.55} . <i>Solid State Ionics</i> , 1992 , 58, 275-283	3.3	10
37	Analysis of organic contaminations on Si(100) by thermal desorption spectroscopy. <i>Fresenius Journal of Analytical Chemistry</i> , 1992 , 343, 582-592		10
36	The single crystal structure of nonstoichiometric thallium hexatitanium octaselenide determined at different temperatures. <i>Materials Research Bulletin</i> , 1992 , 27, 731-740	5.1	4
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