

Peer Schmidt

List of Publications by Year in descending order

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Direct Deposition of $(\text{Bi}_x\text{Sb}_{1-x})_2\text{Te}_3$ Nanosheets on Si/SiO_2 Substrates by Chemical Vapor Transport. <i>Crystal Growth and Design</i> , 2022, 22, 2354-2363.	1.4	1
2	Synthesis of micro- and nanosheets of $\text{CrCl}_3/\text{RuCl}_3$ solid solution by chemical vapour transport. <i>Nanoscale</i> , 2022, 14, 10483-10492.	2.8	3
3	Impacts of TGA furnace parameters for prediction of long-term thermal stability of ionic liquids. <i>Thermochimica Acta</i> , 2021, 704, 178917.	1.2	7
4	Reactivity of Ionic Liquids: Reductive Effect of $[\text{C}_4\text{C}_1\text{im}]\text{BF}_4$ to Form Particles of Red Amorphous Selenium and Bi_2Se_3 from Oxide Precursors. <i>ChemistryOpen</i> , 2021, 10, 125-140.	0.9	2
5	The Subbromide Bi_5Br_4 On the Existence of a Hidden Phase. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 149-155.	0.6	1
6	Reactivity of Ionic Liquids: Studies on Thermal Decomposition Behavior of 1-Butyl-3-methylimidazolium Tetrafluoroborate. <i>Thermochimica Acta</i> , 2020, 694, 178786.	1.2	13
7	Thermodynamic Evaluation and Chemical Vapor Transport of Few-Layer WTe_2 . <i>Crystal Growth and Design</i> , 2020, 20, 7341-7349.	1.4	7
8	In-plane growth of germanium nanowires on nanostructured $\text{Si}(001)/\text{SiO}_2$ substrates. <i>Nano Futures</i> , 2020, 4, 035006.	1.0	10
9	Crystal Growth by Chemical Vapor Transport: Process Screening by Complementary Modeling and Experiment. <i>Crystal Growth and Design</i> , 2020, 20, 5986-6000.	1.4	5
10	Layered TiCl_3 : Microsheets on YSZ Substrates for Ethylene Polymerization with Enhanced Activity. <i>Chemistry of Materials</i> , 2019, 31, 5305-5313.	3.2	5
11	Chromium Trihalides CrX_3 ($\text{X} = \text{Cl, Br, I}$): Direct Deposition of Micro- and Nanosheets on Substrates by Chemical Vapor Transport. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901410.	1.9	37
12	Simulation and synthesis of Ti-MoCl_3 nanosheets on substrates by short time chemical vapor transport. <i>Nano Structures Nano Objects</i> , 2019, 19, 100324.	1.9	12
13	Understanding Solid-State Phase-Formation Processes by Using the High-Temperature Gas Balance: The Example of Zr_2PTe_2 . <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2577-2582.	1.0	1
14	Rare Earth Metal Polytellurides $\text{RETe}_{1.8}$ ($\text{RE} = \text{Gd, Tb, Dy}$) Directed Synthesis, Crystal and Electronic Structures, and Bonding Features. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1886-1896.	0.6	12
15	Chemical vapor growth and delamination of Ti-RuCl_3 nanosheets down to the monolayer limit. <i>Nanoscale</i> , 2018, 10, 19014-19022.	2.8	36
16	Thermal Resilience of Imidazolium-Based Ionic Liquids: Studies on Short- and Long-Term Thermal Stability and Decomposition Mechanism of 1-Alkyl-3-methylimidazolium Halides by Thermal Analysis and Single-Photon Ionization Time-of-Flight Mass Spectrometry. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8738-8749.	1.2	33
17	Modular Design with 2D Topological-Insulator Building Blocks: Optimized Synthesis and Crystal Growth and Crystal and Electronic Structures of Bi_xTe_3 ($x = 2, 3$). <i>Chemistry of Materials</i> , 2017, 29, 1321-1337.	3.2	23
18	Chemical Vapor Transport Reactions: Arguments for Choosing a Suitable Transport Agent. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1295-1311.	0.6	27

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19	Element allotropes and polyanion compounds of pnictogenes and chalcogenes: stability, mechanisms of formation, controlled synthesis and characterization. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 91-105.	0.4	6
20	Inorganic Double Helices in Semiconducting SnIP. Advanced Materials, 2016, 28, 9783-9791.	11.1	73
21	2D ³¹ P solid state NMR spectroscopy, electronic structure and thermochemistry of PbP ₇ . Journal of Solid State Chemistry, 2016, 235, 139-144.	1.4	4
22	Ionothermal Synthesis, Structure, and Bonding of the <i>Catena</i> -Heteropolycation ¹ [Sb ₂ Se ₂] ⁺ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 388-393.	0.6	25
23	Homogeneity Range of the Zirconium Phosphide Telluride Zr _{2+x} P ₂ Te ₂ and the High-Temperature Phase Transformation to Zr ₂ P ₂ Te. European Journal of Inorganic Chemistry, 2015, 2015, 1457-1462.	1.0	4
24	Thermal stability and decomposition mechanism of 1-ethyl-3-methylimidazolium halides. Thermochimica Acta, 2015, 604, 129-136.	1.2	76
25	Van der Waals interactions in selected allotropes of phosphorus. Zeitschrift Fur Kristallographie - Crystalline Materials, 2015, 230, 107-115.	0.4	55
26	A Rational Approach to IrP ₂ Te – DFT and CalPhaD Studies on Phase Stability, Formation, and Structure of IrP ₂ Te. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1099-1105.	0.6	8
27	The Extended Stability Range of Phosphorus Allotropes. Angewandte Chemie - International Edition, 2014, 53, 11629-11633.	7.2	138
28	Development of salt hydrate eutectics as latent heat storage for air conditioning and cooling. Thermochimica Acta, 2014, 575, 276-278.	1.2	49
29	Temperature Initiated P-Polymerization in Solid [Cd ₃ Cu]CuP ₁₀ . Inorganic Chemistry, 2013, 52, 11895-11901.	1.9	11
30	Chemical Vapor Transport Reactions – A Historical Review. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 219-229.	0.6	84
31	Thermal stability and crystallization behavior of imidazolium halide ionic liquids. Thermochimica Acta, 2013, 573, 162-169.	1.2	67
32	Synthesis and Phase Relations of Single-Phase Fibrous Phosphorus. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2741-2743.	0.6	63
33	The use of the High-Temperature Gas-Balance (HTGB) for thermogravimetric measurements. Journal of Thermal Analysis and Calorimetry, 2012, 110, 1511-1521.	2.0	12
34	Cd ₄ Cu ₇ As, The First Representative of a Fully Ordered, Orthorhombically Distorted MgCu ₂ Laves Phase. Inorganic Chemistry, 2012, 51, 8119-8127.	1.9	27
35	Phase barograms – phase diagrams of vapor pressure: Eutectoid phase formation in binary systems. Thermochimica Acta, 2012, 541, 1-7.	1.2	0
36	Synthesis and Identification of Metastable Compounds: Black Arsenic – Science or Fiction?. Angewandte Chemie - International Edition, 2012, 51, 2994-2997.	7.2	106

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37	Porous concrete as a template for the synthesis of porous carbon materials. Carbon, 2012, 50, 3096-3098.	5.4	15
38	Chemical Vapor Transport Reactions. , 2012, , .		101
39	Vapor phase growth of ZnO single crystals. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, 03A107.	0.9	3
40	Chemische Transportreaktionen. , 2011, , .		27
41	Studies on synthetic galloalunites $AGa_3(SO_4)_2(OH)_6$: Synthesis, thermal analysis, and X-ray characterization. Thermochimica Acta, 2011, 521, 112-120.	1.2	4
42	High-pressure synthesis of rare earth metal polychalcogenides. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s47-s47.	0.3	0
43	Studies regarding the homogeneity range of the zirconium phosphide telluride Zr_2+1Pt_2 . Solid State Sciences, 2010, 12, 2030-2035.	1.5	7
44	Inkjet printing of conductive patterns with an aqueous solution of $[AgO_2C(CH_2OCH_2)_3H]$ without any additional stabilizing ligands. Thin Solid Films, 2010, 518, 3218-3222.	0.8	42
45	High-Pressure Synthesis, Crystal Structure, and Properties of GdS_2 with Thermodynamic Investigations in the Phase Diagram $Gd-S$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 947-953.	0.6	19
46	Chemical Vapour Transport of Bismuth and Antimony Chalcogenides M_2Q_3 ($M = Sb, Bi, Q = Se, Te$). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 1810-1816.	0.6	18
47	Inkjet Printing of Conductive Silver Patterns by Using the First Aqueous Particle-Free MOD Ink without Additional Stabilizing Ligands. Chemistry of Materials, 2010, 22, 3067-3071.	3.2	151
48	Chemistry and Physical Properties of the Phosphide Telluride Zr_2Pt_2 . European Journal of Inorganic Chemistry, 2009, 2009, 3102-3110.	1.0	20
49	Phosphidtelluriden auf der Spur: Zum System Ce/Te/P. The Trace to Phosphide Tellurides: The System Ce/Te/P. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1420-1429.	0.6	7
50	The Thermochemical Behaviour of $Te_8O_{10}(PO_4)_4$ and its Use for Phosphide Telluride Synthesis. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 2153-2161.	0.6	3
51	The Cluster Polymers $[PtBi_6Cl_{10}]_m$ and $[PtBi_6Br_{10}]_m$: Synthesis, Thermochemistry, Crystal Structure and Chemical Bonding. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 69-76.	0.6	16
52	Prinzipien der Synthesepaltung ternärer Phosphidtelluride M_xPt_y . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2022-2022.	0.6	0
53	How to Get Ternary Solid Solutions Fe_1-xM_xO ($M = Co, Ni$)? A Thermodynamic Concept. European Journal of Inorganic Chemistry, 2008, 2008, 2847-2855.	1.0	11
54	The cationic clathrate $Si_46 \sim 2xP_2xTe_x$ crystal growth by chemical vapour transport. Journal of Crystal Growth, 2008, 310, 5402-5408.	0.7	20

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55	Synthesis of the titanium phosphide telluride Ti ₂ PTe ₂ : A thermochemical approach. Journal of Solid State Chemistry, 2008, 181, 758-767.	1.4	18
56	The layered metal Ti ₂ PTe ₂ . Journal of Solid State Chemistry, 2008, 181, 2859-2863.	1.4	16
57	Au ₃ SnP ₇ @Black Phosphorus: An Easy Access to Black Phosphorus. Inorganic Chemistry, 2007, 46, 4028-4035.	1.9	342
58	The Pr ₂ Se ₃ -PrSe ₂ system: Studies of the phase relationships and the modulated crystal structure of PrSe _{1.85} . Journal of Solid State Chemistry, 2007, 180, 496-509.	1.4	24
59	Redox-Reaktion und Gasphasenabscheidung im System In/Mn/O. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1654-1658.	0.6	3
60	Synthesis, Thermochemical Properties and Crystal Structure of Bi ₇ Cl ₁₀ . ChemInform, 2005, 36, no.	0.1	0
61	Autotransport or Selftransport ? Vapor Transport Systems under Their Own Decomposition Pressure. ChemInform, 2005, 36, no.	0.1	0
62	The Thermochemical Behavior of Halides, Oxidehalides, Aluminumhalides and Ammoniumhalides of Rare-Earth-Elements. ChemInform, 2005, 36, no.	0.1	0
63	Synthese, thermochemische Eigenschaften und Kristallstruktur von Bi ₇ Cl ₁₀ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 272-283.	0.6	30
64	Thermochemische Untersuchungen zum quasibinären System YbOCl/SeO ₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 669-677.	0.6	6
65	Nd ₂ (SeO ₃) ₂ (SeO ₄)·2H ₂ O a Mixed-Valence Compound containing Selenium in the Oxidation States+IV and+VI. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 1395-1400.	0.6	11
66	Syntheses and Crystal Structures of the Homoeotypic Selenite Bromides Bi ₈ (SeO ₃) ₉ Br ₆ and CsSm ₂₁ (SeO ₃) ₂₄ Br ₁₆ . ChemInform, 2004, 35, no.	0.1	0
67	Zu den Zustandssystemen Bi ₂ Se ₃ /BiX ₃ und den ternären Phasen auf diesen Schnitten (Ch = S, Se, Te; X = Cl, Br, I). II: Bismut-selenidhalogenide Bi ₂ Se ₃ /BiX ₃ und Bismuttelluridhalogenide Bi ₂ Te ₃ /BiX ₃ / On the Pseudobinary Systems Bi ₂ Ch ₃ /BiX ₃ and the Ternary Phases in these Systems (Ch = S, Se,) Tj ETQq1 1 0.784314 rgBT	0.3	7
68	Zeitschrift Title is missing!. Russian Chemical Bulletin, 2003, 52, 98-102.	0.4	4
69	Determination of the Enthalpy of Formation of SmOCl by Solution Calorimetry. ChemInform, 2003, 34, no.	0.1	0
70	Synthesen und Kristallstrukturen der homotypen Selenitbromide Bi ₈ (SeO ₃) ₉ Br ₆ und CsSm ₂₁ (SeO ₃) ₂₄ Br ₁₆ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 2133-2143.	0.6	40
71	Synthetic alunites of the potassium-oxonium solid solution series and some other members of the group: synthesis, thermal and X-ray characterization. European Journal of Mineralogy, 2003, 15, 913-924.	0.4	25
72	Untersuchungen zum System BiOBr/SeO ₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 91-99.	0.6	9

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73	Untersuchungen zum System SmOCl/SeO ₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 891.	0.6	10
74	Bestimmung der Bildungsenthalpie von SmOCl durch L�sungskalorimetrie. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 2823-2824.	0.6	3
75	Gleichgewichtsdruckmessungen im System Se/O/Br. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 326-332.	0.6	5
76	II. Zum System Bi ₂ O ₃ /Bi ₂ Se ₃ /Bi ₂ Te ₃ â€“ die Kristallstruktur von Bi ₂ O ₂ (TexSe _{1-x}). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2000, 626, 1999-2003.	0.6	16
77	Chemical Vapor Transport Reactionsâ€“Methods, Materials, Modeling. , 0, , .		33