Marc ArmbrÃ¼ster

List of Publications by Year
in descending order

134 papers	6,427 citations	81900 39 h-index	71685 76 g-index
145 all docs	145 docs citations	145 times ranked	5191 citing authors

#	Article	IF	Citations
1	Properties of Bulk Inâ€Pt Intermetallic Compounds in Methanol Steam Reforming. ChemPhysChem, 2022, , e202200074.	2.1	5
2	Adsorption of CO₂ at <i>T</i> = 298 K and Pressures up to 6 MPa on Quasi Nonporous Al₁₃Fe₄. Journal of Chemical & Engineering Data, 2022, 67, 1663-1673.	1.9	3
3	Disentangling Electronic and Geometric Effects in Electrocatalysis through Substitution in Isostructural Intermetallic Compounds. Journal of the American Chemical Society, 2022, 144, 8379-8388.	13.7	10
4	Nanoparticles Supported on Subâ€Nanometer Oxide Films: Scaling Model Systems to Bulk Materials. Angewandte Chemie - International Edition, 2021, 60, 5890-5897.	13.8	14
5	Nanopartikel auf subnanometer dÃ¼nnen oxidischen Filmen: Skalierung von Modellsystemen. Angewandte Chemie, 2021, 133, 5954-5961.	2.0	2
6	Proving a Paradigm in Methanol Steam Reforming: Catalytically Highly Selective In_{<i>x</i>}Pd_{<i>y</i>}/In₂O₃ Interfaces. ACS Catalysis, 2021, 11, 304-312.	11.2	24
7	Steering the methanol steam reforming reactivity of intermetallic Cuâ€“In compounds by redox activation: stability <i>vs.</i> formation of an intermetallic compoundâ€“oxide interface. Catalysis Science and Technology, 2021, 11, 5518-5533.	4.1	3
8	The solâ€“gel autocombustion as a route towards highly CO₂-selective, active and long-term stable Cu/ZrO₂ methanol steam reforming catalysts. Materials Chemistry Frontiers, 2021, 5, 5093-5105.	5.9	12
9	Challenging the Durability of Intermetallic Moâ€“Ni Compounds in the Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2021, 13, 23616-23626.	8.0	27
10	Unprecedented Catalytic Activity and Selectivity in Methanol Steam Reforming by Reactive Transformation of Intermetallic Inâ€“Pt Compounds. Journal of Physical Chemistry C, 2021, 125, 9809-9817.	3.1	7
11	Steering the methanol steam reforming performance of Cu/ZrO2 catalysts by modification of the Cu-ZrO2 interface dimensions resulting from Cu loading variation. Applied Catalysis A: General, 2021, 623, 118279.	4.3	13
12	Establishing the Isostructural Platform GaPd₂â€InPd₂â€SnPd₂ to Address Electronic and/or Structural Effects. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 2137-2146.	1.2	4
13	Insights into the Electronic Effects in Methanol Electro-Oxidation by Ternary In_{1â€“<i>x</i>}Sn_{<i>x</i>}Pd₂ Intermetallic Compounds. ACS Applied Energy Materials, 2021, 4, 11279-11289.	5.1	10
14	Mechanistic insights into the catalytic methanol steam reforming performance of Cu/ZrO2 catalysts by in situ and operando studies. Journal of Catalysis, 2020, 391, 497-512.	6.2	41
15	Intermetallic compounds in heterogeneous catalysis. Science and Technology of Advanced Materials, 2020, 21, 767-767.	6.1	4
16	Intermetallic GaPd 2 Thin Films for Selective Hydrogenation of Acetylene. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1218-1226.	1.2	4
17	4.7 Rare earth metals in heterogeneous catalysis. , 2020, , 463-486.		1
18	Corrosionâ€Free EMF Measurements of Zincâ€Based Intermetallic Compounds at Ambient Temperature. ChemPhysChem, 2020, 21, 960-960.	2.1	1

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19	Corrosionâ€Free EMF Measurements of Zincâ€Based Intermetallic Compounds at Ambient Temperature. ChemPhysChem, 2020, 21, 977-986.	2.1	2
20	Intermetallic compounds in catalysis â€“ a versatile class of materials meets interesting challenges. Science and Technology of Advanced Materials, 2020, 21, 303-322.	6.1	65
21	Thin Coatings of Î±â€•and Î²â€Bi₂O₃ by Ultrasonic Spray Coating of a Molecular Bismuth Oxido Cluster and their Application for Photocatalytic Water Purification Under Visible Light. ChemistryOpen, 2020, 9, 271-271.	1.9	2
22	Thin Coatings of Î±â€•and Î²â€Bi 2 O 3 by Ultrasonic Spray Coating of a Molecular Bismuth Oxido Cluster and their Application for Photocatalytic Water Purification Under Visible Light. ChemistryOpen, 2020, 9, 277-284.	1.9	9
23	Synthesis of Intermetallic Pt-Based Catalysts by Lithium Naphthalenide-Driven Reduction for Selective Hydrogenation of Cinnamaldehyde. ACS Applied Materials & Interfaces, 2020, 12, 18551-18561.	8.0	28
24	Caâ€“Ag compounds in ethylene epoxidation reaction. Science and Technology of Advanced Materials, 2019, 20, 902-916.	6.1	7
25	Addressing the Stability of Bulk Electrode Materials in the Electrochemical Methanol Oxidation. Journal of the Electrochemical Society, 2019, 166, F1079-F1087.	2.9	9
26	Reactive metal-support interaction in the Cu-In₂O₃ system: intermetallic compound formation and its consequences for CO₂-selective methanol steam reforming. Science and Technology of Advanced Materials, 2019, 20, 356-366.	6.1	26
27	Fixed-bed reactor for catalytic studies on low-surface area materials. Review of Scientific Instruments, 2019, 90, 014101.	1.3	2
28	Electrochemical Energy Conversion on Intermetallic Compounds: A Review. ACS Catalysis, 2019, 9, 2018-2062.	11.2	253
29	Formic Acid Decomposition over ZnPdâ€"Implications for Methanol Steam Reforming. ChemCatChem, 2018, 10, 2664-2672.	3.7	5
30	Simple vapor-solid synthesis of Zn-based intermetallic compounds. Journal of Alloys and Compounds, 2018, 743, 155-162.	5.5	4
31	Cobalt Silicides Nanoparticles Embedded in Nâ€Doped Carbon as Highly Efficient Catalyst in Selective Hydrogenation of Cinnamaldehyde. ChemistrySelect, 2018, 3, 1658-1666.	1.5	17
32	Highly selective PdZn/ZnO catalysts for the methanol steam reforming reaction. Catalysis Science and Technology, 2018, 8, 5848-5857.	4.1	31
33	Activation of the Highlyâ€Selective Pd₁₁Bi₂Se₂ during the Semiâ€Hydrogenation of Acetylene. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1777-1781.	1.2	6
34	Revealing Electronic Influences in the Semihydrogenation of Acetylene. Journal of Physical Chemistry C, 2018, 122, 21891-21896.	3.1	29
35	Chemical Behaviour of CaAg₂ under Ethylene Epoxidation Conditions. European Journal of Inorganic Chemistry, 2018, 2018, 3933-3941.	2.0	5
36	Impregnated and Co-precipitated Pdâ€“Ga2O3, Pdâ€“In2O3 and Pdâ€“Ga2O3â€“In2O3 Catalysts: Influence of the Microstructure on the CO2 Selectivity in Methanol Steam Reforming. Catalysis Letters, 2018, 148, 3062-3071.	2.6	21

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37	Free-atom-like d states in single-atom alloy catalysts. Nature Chemistry, 2018, 10, 1008-1015.	13.6	368
38	Sulfur Spillover on Carbon Materials and Possible Impacts on Metalâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2018, 57, 13666-13670.	13.8	30
39	Anisotropic Reactivity of CaAg under Ethylene Epoxidation Conditions. Inorganic Chemistry, 2018, 57, 10821-10831.	4.0	8
40	On the twinning in ZnPd. Physical Chemistry Chemical Physics, 2017, 19, 5778-5785.	2.8	1
41	Inkjet Printing of GaPd₂ into Microâ€Channels for the Selective Hydrogenation of Acetylene. ChemCatChem, 2017, 9, 3733-3742.	3.7	10
42	List of Abstracts. IOP Conference Series: Materials Science and Engineering, 2017, 181, 011002.	0.6	0
43	CO Adsorption on GaPdâ€”Unravelling the Chemical Bonding in Real Space. ChemPhysChem, 2017, 18, 334-337.	2.1	15
44	Kinetic Parameters for the Selective Hydrogenation of Acetylene on GaPd₂ and GaPd. ChemPhysChem, 2017, 18, 2517-2525.	2.1	9
45	The First Ternary Phase in the Ga-Sn-Pd System: Synthesis, Crystal Structure, and Catalytic Properties of Ga2+x +y Sn4-x Pd9. European Journal of Inorganic Chemistry, 2017, 2017, 3542-3550.	2.0	11
46	Microstructural and Chemical Evolution and Analysis of a Self-Activating CO₂-Selective Cuâ€“Zr Bimetallic Methanol Steam Reforming Catalyst. Journal of Physical Chemistry C, 2016, 120, 25395-25404.	3.1	19
47	Addressing electronic effects in the semi-hydrogenation of ethyne by InPd2 and intermetallic Gaâ€“Pd compounds. Journal of Catalysis, 2016, 338, 265-272.	6.2	67
48	Formation of ZnO Patches on ZnPd/ZnO during Methanol Steam Reforming: A Strong Metalâ€“Support Interaction Effect?. Journal of Physical Chemistry C, 2016, 120, 10460-10465.	3.1	16
49	CO adsorption on the GaPd(1ì„1ì„1ì„) surface: a comparative DFT study using different functionals. Physical Chemistry Chemical Physics, 2016, 18, 14390-14400.	2.8	8
50	ZnPd/ZnO Aerogels as Potential Catalytic Materials. Advanced Functional Materials, 2016, 26, 1014-1020.	14.9	20
51	Controlled synthesis and catalytic properties of supported Inâ€“Pd intermetallic compounds. Journal of Catalysis, 2016, 340, 49-59.	6.2	76
52	Boosting Hydrogen Production from Methanol and Water by inâ€…situ Activation of Bimetallic Cuâˆ’Zr Species. ChemCatChem, 2016, 8, 1778-1781.	3.7	16
53	Atomic interactions in the intermetallic catalyst GaPd. Molecular Physics, 2016, 114, 1250-1259.	1.7	24
54	Methanol steam reforming catalysts derived by reduction of perovskite-type oxides LaCo_{1âˆ’xâˆ’y}Pd_xZn_yO_{3Â±Î´}. Catalysis Science and Technology, 2016, 6, 1455-1468.	4.1	31

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55	Synthesis of Supported Ga Nanodrops by a Bottomâ€up Route. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1453-1458.	1.2	3
56	Fest/Gasâ€Reaktion zur Darstellung von getrÃ¤gerten interÂmetallischen Gaâ€Pd Katalysatormaterialien. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1061-1068.	1.2	4
57	Methanol steam reforming on LaCo1âˆ’âˆ’Pd Zn O3Â±. Catalysis Today, 2015, 258, 256-261.	4.4	8
58	The atomic structure of low-index surfaces of the intermetallic compound InPd. Journal of Chemical Physics, 2015, 143, 074705.	3.0	4
59	The oxidation of copper catalysts during ethylene epoxidation. Physical Chemistry Chemical Physics, 2015, 17, 25073-25089.	2.8	43
60	Formation of Intermetallic Compounds by Reactive Metalâ€“Support Interaction: A Frequently Encountered Phenomenon in Catalysis. ChemCatChem, 2015, 7, 374-392.	3.7	109
61	Chemical Bonding in Zincâ€based Intermetallic Compounds with the CuTi or the CsCl Type of Structure. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 753-759.	1.2	8
62	The catalytic properties of thin film Pd-rich GaPd2 in methanol steam reforming. Journal of Catalysis, 2014, 309, 231-240.	6.2	29
63	The Enhancing Effect of BrÃ¸nsted Acidity of Supported MoO_{<i>x</i>} Species on their Activity and Selectivity in Ethylene/<i>trans</i>â€2â€Butene Metathesis. ChemCatChem, 2014, 6, 1664-1672.	3.7	43
64	Dynamic Surface Processes of Nanostructured Pd2Ga Catalysts Derived from Hydrotalcite-Like Precursors. ACS Catalysis, 2014, 4, 2048-2059.	11.2	40
65	Intermetallic compounds in heterogeneous catalysisâ€"a quickly developing field. Science and Technology of Advanced Materials, 2014, 15, 034803.	6.1	223
66	Physical properties of the InPd intermetallic catalyst. Intermetallics, 2014, 55, 56-65.	3.9	31
67	Raman scattering in rare earths tetraborides. Solid State Sciences, 2014, 31, 24-32.	3.2	15
68	Adsorption of Small Hydrocarbons on the Three-Fold PdGa Surfaces: The Road to Selective Hydrogenation. Journal of the American Chemical Society, 2014, 136, 11792-11798.	13.7	90
69	Surface dynamics of the intermetallic catalyst Pd2Ga, Part I â€" Structural stability in UHV and different gas atmospheres. Journal of Catalysis, 2014, 309, 209-220.	6.2	39
70	Ensemble Effect Evidenced by CO Adsorption on the 3-Fold PdGa Surfaces. Journal of Physical Chemistry C, 2014, 118, 12260-12265.	3.1	34
71	Surface dynamics of the intermetallic catalyst Pd2Ga, Part II â€" Reactivity and stability in liquid-phase hydrogenation of phenylacetylene. Journal of Catalysis, 2014, 309, 221-230.	6.2	62
72	In Operando GIXRD and XRR on Polycrystalline In₅₂Pd₄₈. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 3065-3069.	1.2	6

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73	Revealing Intricacies of Nano-Sized Intermetallic GaPd2Catalysts. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C734-C734.	0.1	0
74	The Intermetallic Compound ZnPd and Its Role in Methanol Steam Reforming. Catalysis Reviews - Science and Engineering, 2013, 55, 289-367.	12.9	102
75	ZnO is a CO 2 -selective steam reforming catalyst. Journal of Catalysis, 2013, 297, 151-154.	6.2	59
76	Revealing the Atomic Structure of Intermetallic GaPd₂ Nanocatalysts by using Aberrationâ€Corrected Scanning Transmission Electron Microscopy. ChemCatChem, 2013, 5, 2599-2609.	3.7	19
77	High CO₂ Selectivity in Methanol Steam Reforming through ZnPd/ZnO Teamwork. Angewandte Chemie - International Edition, 2013, 52, 4389-4392.	13.8	108
78	German Catalysis, Celebrated in Weimar. ChemCatChem, 2013, 5, 1297-1298.	3.7	2
79	Order-Induced Selectivity Increase of Cu60Pd40 in the Semi-Hydrogenation of Acetylene. Materials, 2013, 6, 2958-2977.	2.9	49
80	Isotopic phonon effects in LaB6â€"LaB6do not possess cubic symmetry and show a non-random isotope distribution. Journal of Physics Condensed Matter, 2012, 24, 385405.	1.8	8
81	PdGa intermetallic hydrogenation catalyst: an NMR and physical property study. Journal of Physics Condensed Matter, 2012, 24, 085703.	1.8	20
82	Methanol Steam Reforming. , 2012, , 175-235.		20
83	Quantitative HAADF-STEM tomography of unsupported intermetallic Ga-Pd catalysts. Journal of Physics: Conference Series, 2012, 371, 012024.	0.4	4
84	Effect of Activation Method on the HDS Activity of Unsupported CoMoS Catalysts Prepared from a Novel Precursor. Catalysis Letters, 2012, 142, 1312-1320.	2.6	13
85	Cu,Zn,Al layered double hydroxides as precursors for copper catalysts in methanol steam reforming â€" pH-controlled synthesis by microemulsion technique. Journal of Materials Chemistry, 2012, 22, 9632.	6.7	49
86	Surface and Subsurface Dynamics of the Intermetallic Compound ZnNi in Methanol Steam Reforming. Journal of Physical Chemistry C, 2012, 116, 14930-14935.	3.1	38
87	Systematic Exploration of Synthesis Pathways to NanoparticulateÂZnPd. Chemistry of Materials, 2012, 24, 3094-3100.	6.7	15
88	Isotopic phonon effects in Î²-rhombohedral boronâ€"non-statistical isotope distribution. Journal of Physics Condensed Matter, 2012, 24, 175401.	1.8	4
89	Isolated Pd Sites on the Intermetallic PdGa(111) and PdGa($ar 1$$ar 1$$ar 1$) Model Catalyst Surfaces. Angewandte Chemie - International Edition, 2012, 51, 9339-9343.	13.8	47
90	Gaâ€Pd/Ga₂O₃ Catalysts: The Role of Gallia Polymorphs, Intermetallic Compounds, and Pretreatment Conditions on Selectivity and Stability in Different Reactions. ChemCatChem, 2012, 4, 1764-1775.	3.7	61

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91	ZnPd in Methanol Steam Reforming. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1614-1614.	1.2	0
92	Synthesis of BiRh Nanoplates with Superior Catalytic Performance in the Semihydrogenation of Acetylene. Chemistry of Materials, 2012, 24, 1639-1644.	6.7	46
93	Microstructural Changes of Supported Intermetallic Nanoparticles under Reductive and Oxidative Conditions: An in Situ X-ray Absorption Study of Pd/Ga₂O₃. Journal of Physical Chemistry C, 2012, 116, 21816-21827.	3.1	18
94	Surface Investigation of Intermetallic PdGa(1Ì…â€‰1Ì…â€‰1Ì…). Langmuir, 2012, 28, 6848-6856.	3.5	48
95	Microwave-hydrothermal synthesis and characterization of nanostructured copper substituted ZnM2O4 (M = Al, Ga) spinels as precursors for thermally stable Cu catalysts. Nanoscale, 2012, 4, 2018.	5.6	34
96	Excitation-dependent Raman spectra in hexaborides â€“ Surface phonons of LaB6. Solid State Sciences, 2012, 14, 1567-1571.	3.2	8
97	Quantitative High-Angle Annular Dark-Field Scanning Transmission Electron Microscope (HAADF-STEM) Tomography and High-Resolution Electron Microscopy of Unsupported Intermetallic GaPd₂ Catalysts. Journal of Physical Chemistry C, 2012, 116, 13343-13352.	3.1	38
98	Al13Fe4 as a low-cost alternative for palladium in heterogeneous hydrogenation. Nature Materials, 2012, 11, 690-693.	27.5	344
99	How to Control the Selectivity of Palladiumâ€based Catalysts in Hydrogenation Reactions: The Role of Subsurface Chemistry. ChemCatChem, 2012, 4, 1048-1063.	3.7	223
100	Influence of bulk composition of the intermetallic compound ZnPd on surface composition and methanol steam reforming properties. Journal of Catalysis, 2012, 285, 41-47.	6.2	99
101	Intermetallic Compound Pd2Ga as a Selective Catalyst for the Semi-Hydrogenation of Acetylene: From Model to High Performance Systems. Journal of Physical Chemistry C, 2011, 115, 1368-1374.	3.1	109
102	Raman scattering and isotopic phonon effects in dodecaborides. Journal of Physics Condensed Matter, 2011, 23, 065403.	1.8	47
103	Synthesis and Catalytic Properties of Nanoparticulate Intermetallic Gaâ€“Pd Compounds. Journal of the American Chemical Society, 2011, 133, 9112-9118.	13.7	165
104	Nanosizing Intermetallic Compounds Onto Carbon Nanotubes: Active and Selective Hydrogenation Catalysts. Angewandte Chemie - International Edition, 2011, 50, 10231-10235.	13.8	128
105	Complex Metallic Phases in Catalysis. , 2010, , 385-399.		9
106	Pdâˆ'Ga Intermetallic Compounds as Highly Selective Semihydrogenation Catalysts. Journal of the American Chemical Society, 2010, 132, 14745-14747.	13.7	430
107	Chemical Bonding in Compounds of the CuAl₂ Family: MnSn₂, FeSn₂ and CoSn₂. Chemistry - A European Journal, 2010, 16, 10357-10365.	3.3	31
108	Inside Cover: Chemical Bonding in Compounds of the CuAl2 Family: MnSn2, FeSn2 and CoSn2 (Chem.) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.3	1

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109	PdZn or ZnPd: Charge Transfer and Pdâ€“Pd Bonding as the Driving Force for the Tetragonal Distortion of the Cubic Crystal StructureÂ. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 1735-1739.	1.2	39
110	Refinement of the crystal structure of palladium gallium (1:1), PdGa. Zeitschrift Fur Kristallographie - New Crystal Structures, 2010, 225, 617-618.	0.3	27
111	On surface Raman scattering and luminescence radiation in boron carbide. Journal of Physics Condensed Matter, 2010, 22, 045401.	1.8	29
112	Growth of large PdGa single crystals from the melt. Intermetallics, 2010, 18, 1663-1668.	3.9	33
113	Raman effect in icosahedral boron-rich solids. Science and Technology of Advanced Materials, 2010, 11, 023001.	6.1	116
114	Bromine-promoted PtZn is very effective for the chemoselective hydrogenation of crotonaldehyde. Journal of Catalysis, 2009, 261, 60-65.	6.2	43
115	Etching of the intermetallic compounds PdGa and Pd3Ga7: An effective way to increase catalytic activity?. Journal of Catalysis, 2009, 264, 93-103.	6.2	76
116	In situ surface characterization of the intermetallic compound PdGa â€“ A highly selective hydrogenation catalyst. Surface Science, 2009, 603, 1784-1792.	1.9	144
117	Crystallite Size Controls the Crystal Structure of Cu₆₀Pd₄₀ Nanoparticles. Chemistry of Materials, 2009, 21, 5886-5891.	6.7	32
118	Evidence for heterogeneous Sonogashira coupling of phenylacetylene and iodobenzene catalyzed by well defined rhodium nanoparticles. Dalton Transactions, 2009, , 7602.	3.3	40
119	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.	6.2	269
120	Palladiumâ€“gallium intermetallic compounds for the selective hydrogenation of acetylenePart II: Surface characterization and catalytic performance. Journal of Catalysis, 2008, 258, 219-227.	6.2	297
121	Refinement of the crystal structure of dipalladium gallium, Pd2Ga. Zeitschrift Fur Kristallographie - New Crystal Structures, 2008, 223, 7-8.	0.3	24
122	Crystal structures of iron distannide, FeSn2, and cobalt distannide, CoSn2. Zeitschrift Fur Kristallographie - New Crystal Structures, 2007, 222, 83-84.	0.3	16
123	Local Ordering in the Intermetallic Compound Cu1-xAl2Studied by NMR Spectroscopy. Chemistry of Materials, 2007, 19, 1147-1153.	6.7	29
124	Chemical Bonding in TiSb2and VSb2:Â A Quantum ChemicalandExperimental Study. Inorganic Chemistry, 2007, 46, 6319-6328.	4.0	25
125	A new approach to well-defined, stable and site-isolated catalysts. Science and Technology of Advanced Materials, 2007, 8, 420-427.	6.1	181
126	Pressure-Induced Internal Redox Reaction of Cs2[PdI4]Â·I2, Cs2[PdBr4]Â·I2, and Cs2[PdCl4]Â·I2. Inorganic Chemistry, 2006, 45, 9818-9825.	4.0	18

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127	Azidoaurates of the Alkali Metals. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 1671-1680.	1.2	16
128	Peculiarities in the Raman spectra of ZrB12 and LuB12 single crystals. Journal of Solid State Chemistry, 2006, 179, 2761-2767.	2.9	31
129	CuAl2 revisited: Composition, crystal structure, chemical bonding, compressibility and Raman spectroscopy. Journal of Solid State Chemistry, 2006, 179, 1707-1719.	2.9	103
130	PdGa and Pd3Ga7: Highly-Selective Catalysts for the Acetylene Partial Hydrogenation. Studies in Surface Science and Catalysis, 2006, , 481-488.	1.5	32
131	Growth and Characterization of BPO4 Single Crystals. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 655-662.	1.2	35
132	Bildung von Nano-Zinn-Whiskern durch Korrosion von MnSn2. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 1702-1702.	1.2	1
133	Refinement of the crystal structures of titanium diantimonide, TiSb2, and vanadium diantimonide, Vo.%Sb2. Zeitschrift Fur Kristallographie - New Crystal Structures, 2004, 219, 229-230.	0.3	1
134	Reassessing the compound CeCd6: the structure of Ce6Cd37. Journal of Alloys and Compounds, 2000, 307, 141-148.	5.5	47