

# Ryo Kitaura

## 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.

149  
papers

20,195  
citations

43  
h-index

142  
g-index

158  
ext. papers

21,179  
ext. citations

7.6  
avg, IF

6.71  
L-index

#	Paper	IF	Citations
149	Interlayer Interactions in 1D Van der Waals Moiré Superlattices. <i>Advanced Science</i> , <b>2021</b> , e2103460	13.6	5
148	Versatile Post-Doping toward Two-Dimensional Semiconductors. <i>ACS Nano</i> , <b>2021</b> ,	16.7	4
147	Unveiling the Photoinduced Electron-Donating Character of MoS <sub>2</sub> in Covalently Linked Hybrids Featuring Perylene diimide. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 9202-9208	3.6	
146	Unveiling the Photoinduced Electron-Donating Character of MoS in Covalently Linked Hybrids Featuring Perylene diimide. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 9120-9126	16.4	3
145	Femtosecond photoluminescence from monolayer MoS <sub>2</sub> : Time-domain study on exciton diffusion. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
144	Enhanced Exciton-Exciton Collisions in an Ultraflat Monolayer MoSe Prepared through Deterministic Flattening. <i>ACS Nano</i> , <b>2021</b> , 15, 1370-1377	16.7	1
143	An ion-selective crown ether covalently grafted onto chemically exfoliated MoS as a biological fluid sensor. <i>Nanoscale</i> , <b>2021</b> , 13, 8948-8957	7.7	3
142	Microscopic Mechanism of Van der Waals Heteroepitaxy in the Formation of MoS/hBN Vertical Heterostructures. <i>ACS Omega</i> , <b>2020</b> , 5, 31692-31699	3.9	3
141	Dark-state impact on the exciton recombination of WS <sub>2</sub> monolayers as revealed by multi-timescale pump-probe spectroscopy. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2
140	Low frequency Raman study of interlayer couplings in WS <sub>2</sub> /MoS <sub>2</sub> van der Waals heterostructures. <i>Japanese Journal of Applied Physics</i> , <b>2020</b> , 59, 062004	1.4	3
139	Observation of Drastic Electronic-Structure Change in a One-Dimensional Moiré Superlattice. <i>Physical Review Letters</i> , <b>2020</b> , 124, 106101	7.4	14
138	Direct Observation of Molecular Orbitals Using Synchrotron X-ray Diffraction. <i>Crystals</i> , <b>2020</b> , 10, 998	2.3	3
137	Stabilization of metallic phases through formation of metallic/semiconducting lateral heterostructures. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 084702	3.9	4
136	Exciton diffusion in hBN-encapsulated monolayer MoSe <sub>2</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	5
135	Salt-assisted pyrolysis of covalent organic frameworks to porous heteroatom-doped carbons for supercapacitive energy storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 26829-26837	13	18
134	The Atomic and Electronic Structure of 0° and 60° Grain Boundaries in MoS <sub>2</sub> . <i>Frontiers in Physics</i> , <b>2019</b> , 7,	3.9	5
133	Momentum-forbidden dark excitons in hBN-encapsulated monolayer MoS <sub>2</sub> . <i>Npj 2D Materials and Applications</i> , <b>2019</b> , 3,	8.8	17

132	Molecular-beam-epitaxy Growth of Two-dimensional Layered Materials. <i>Vacuum and Surface Science</i> , <b>2019</b> , 62, 605-610	0	
131	Direct and Indirect Interlayer Excitons in a van der Waals Heterostructure of hBN/WS/MoS/hBN. <i>ACS Nano</i> , <b>2018</b> , 12, 2498-2505	16.7	67
130	Systematic Study of Photoluminescence Enhancement in Monolayer Molybdenum Disulfide by Acid Treatment. <i>Langmuir</i> , <b>2018</b> , 34, 10243-10249	4	23
129	Effect of a pick-and-drop process on optical properties of a CVD-grown monolayer tungsten disulfide. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	3
128	Extended-conjugation $\pi$ -electron systems in carbon nanotubes. <i>Scientific Reports</i> , <b>2018</b> , 8, 8098	4.9	12
127	Observation of biexcitonic emission at extremely low power density in tungsten disulfide atomic layers grown on hexagonal boron nitride. <i>Scientific Reports</i> , <b>2017</b> , 7, 322	4.9	25
126	Orientation-controlled growth of hexagonal boron nitride monolayers templated from graphene edges. <i>Applied Physics Express</i> , <b>2017</b> , 10, 055102	2.4	15
125	Femtosecond Laser Filamentation in Gaseous Ethylene: Formation of Hydrogenated Amorphous Carbon. <i>Chemistry Letters</i> , <b>2017</b> , 46, 1426-1429	1.7	7
124	Suppression of exciton-exciton annihilation in tungsten disulfide monolayers encapsulated by hexagonal boron nitrides. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	58
123	Modulation of the Local Density of States of Carbon Nanotubes by Encapsulation of Europium Nanowires As Observed by Scanning Tunneling Microscopy and Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 18195-18201	3.8	2
122	Simple fabrication of air-stable black phosphorus heterostructures with large-area hBN sheets grown by chemical vapor deposition method. <i>2D Materials</i> , <b>2016</b> , 3, 035010	5.9	41
121	Origin of residual particles on transferred graphene grown by CVD. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 080305	1.4	9
120	Single atom spectroscopy: Decreased scattering delocalization at high energy losses, effects of atomic movement and X-ray fluorescence yield. <i>Ultramicroscopy</i> , <b>2016</b> , 160, 239-246	3.1	10
119	Fabrication and In Situ Transmission Electron Microscope Characterization of Free-Standing Graphene Nanoribbon Devices. <i>ACS Nano</i> , <b>2016</b> , 10, 1475-80	16.7	26
118	Molecular beam epitaxy growth of monolayer niobium diselenide flakes. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 133101	3.4	23
117	Isolation and Structure Determination of a Missing Endohedral Fullerene La@C70 through In Situ Trifluoromethylation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 207-210	3.6	5
116	Efficient preparation of graphene liquid cell utilizing direct transfer with large-area well-stitched graphene. <i>Chemical Physics Letters</i> , <b>2016</b> , 650, 107-112	2.5	25
115	Isolation and Structure Determination of a Missing Endohedral Fullerene La@C70 through In Situ Trifluoromethylation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 199-202	16.4	25

114	Two-dimensional metallic NbS <sub>2</sub> : growth, optical identification and transport properties. <i>2D Materials</i> , <b>2016</b> , 3, 025027	5.9	66
113	Construction of Covalent Organic Nanotubes by Light-Induced Cross-Linking of Diacetylene-Based Helical Polymers. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 11001-8	16.4	51
112	Core-level spectroscopy to probe the oxidation state of single europium atoms. <i>Physical Review Letters</i> , <b>2015</b> , 114, 197602	7.4	9
111	Fabrication and optical probing of highly extended, ultrathin graphene nanoribbons in carbon nanotubes. <i>ACS Nano</i> , <b>2015</b> , 9, 5034-40	16.7	29
110	20-kV Diffractive Imaging of Graphene by using an SEM-based Dedicated Microscope. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 35-36	0.5	
109	Template Synthesis of Linear-Chain Nanodiamonds Inside Carbon Nanotubes from Bridgehead-Halogenated Diamantane Precursors. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 10952-10956	3.6	8
108	Template Synthesis of Linear-Chain Nanodiamonds Inside Carbon Nanotubes from Bridgehead-Halogenated Diamantane Precursors. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10802-6	16.4	36
107	Chemical Vapor Deposition Growth of Graphene and Related Materials. <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 121013	1.5	18
106	Minimal inflammogenicity of pristine single-wall carbon nanotubes. <i>Nagoya Journal of Medical Science</i> , <b>2015</b> , 77, 195-202	0.7	10
105	Size-selective complexation and extraction of endohedral metallofullerenes with cycloparaphenylene. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 3102-6	16.4	121
104	A cubic dipole lattice of water molecules trapped inside carbon cages. <i>Chemical Communications</i> , <b>2014</b> , 50, 524-6	5.8	35
103	Direct chemical vapor deposition growth of WS <sub>2</sub> atomic layers on hexagonal boron nitride. <i>ACS Nano</i> , <b>2014</b> , 8, 8273-7	16.7	234
102	Synthesis and TEM structural characterization of C <sub>60</sub> -flattened carbon nanotube nanopeapods. <i>Nano Research</i> , <b>2014</b> , 7, 1843-1848	10	14
101	Drastic Change in Photoluminescence Properties of Graphene Quantum Dots by Chromatographic Separation. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 983-989	8.1	59
100	Synthesis of refractory conductive niobium carbide nanowires within the inner space of carbon nanotube templates. <i>Applied Physics Express</i> , <b>2014</b> , 7, 015101	2.4	4
99	Direct observation of zipper-like wall-to-wall coalescence of double-wall carbon nanotubes. <i>Carbon</i> , <b>2014</b> , 71, 159-165	10.4	3
98	Microporous structures having phenylene fin: Significance of substituent groups for rotational linkers in coordination polymers. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 189, 83-90	5.3	7
97	Metal-Dependent Stability of Pristine and Functionalized Unconventional Dimetallofullerene M <sub>2</sub> @Ih-C <sub>80</sub> . <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 13953-13958	3.8	33

96	In Situ Observation of Gold Chloride Decomposition in a Confined Nanospace by Transmission Electron Microscopy. <i>Materials Transactions</i> , <b>2014</b> , 55, 461-465	1.3	6
95	Rayleigh scattering studies on inter-layer interactions in structure-defined individual double-wall carbon nanotubes. <i>Nano Research</i> , <b>2014</b> , 7, 1548-1555	10	14
94	Observation and Characterization of Fragile Organometallic Molecules Encapsulated in Single-Wall Carbon Nanotubes. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-5	3.2	1
93	Structure of Tm <sub>2</sub> and Tm <sub>2</sub> C <sub>2</sub> encapsulated in low-symmetry C <sub>82</sub> (Cs(6)) fullerene cage by single crystal X-ray diffraction. <i>Chemical Physics Letters</i> , <b>2014</b> , 600, 38-42	2.5	17
92	Metal catalyst-free mist flow chemical vapor deposition growth of single-wall carbon nanotubes using C <sub>60</sub> colloidal solutions. <i>Carbon</i> , <b>2014</b> , 68, 80-86	10.4	11
91	Evidence of diamond nanowires formed inside carbon nanotubes from diamantane dicarboxylic acid. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3717-21	16.4	57
90	Innentitelbild: Evidence of Diamond Nanowires Formed inside Carbon Nanotubes from Diamantane Dicarboxylic Acid (Angew. Chem. 13/2013). <i>Angewandte Chemie</i> , <b>2013</b> , 125, 3622-3622	3.6	
89	Missing small-bandgap metallofullerenes: their isolation and electronic properties. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 11770-4	16.4	40
88	Thermal/electron irradiation assisted coalescence of Sc <sub>3</sub> N@C <sub>80</sub> fullerene in carbon nanotube and evidence of charge transfer between pristine/coalesced fullerenes and nanotubes. <i>Nanoscale</i> , <b>2013</b> , 5, 11755-60	7.7	5
87	Chirally selective growth and extraction of single-wall carbon nanotubes via fullerene nano-peapods. <i>RSC Advances</i> , <b>2013</b> , 3, 16954	3.7	16
86	Structure of [email protected]82(I) Metallofullerene by Single-Crystal X-ray Diffraction Using the 1:2 Co-Crystal with Octaethylporphyrin Nickel (Ni(OEP)). <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 6437-6442	3.8	14
85	Thin single-wall BN-nanotubes formed inside carbon nanotubes. <i>Scientific Reports</i> , <b>2013</b> , 3, 1385	4.9	47
84	STM and STS Studies on the Density of States Modulation of [email protected]82 and Sc <sub>3</sub> C <sub>2</sub> @C <sub>80</sub> Binary-Metallofullerene Peapods. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 6966-6971	3.8	3
83	Growth of carbon nanotubes via twisted graphene nanoribbons. <i>Nature Communications</i> , <b>2013</b> , 4, 2548	17.4	77
82	Perfectly Ordered Two-Dimensional Layer Structures Found in Some Endohedral Metallofullerenes. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 3632-3636	3.5	3
81	Rapid Single-Stage Separation of Micrometer-Long and High-Purity Semiconducting Carbon Nanotubes by Gel Filtration. <i>Applied Physics Express</i> , <b>2013</b> , 6, 065101	2.4	7
80	Evidence of Diamond Nanowires Formed inside Carbon Nanotubes from Diamantane Dicarboxylic Acid. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 3805-3809	3.6	13
79	Missing Small-Bandgap Metallofullerenes: Their Isolation and Electronic Properties. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 11986-11990	3.6	11

78	Topological difference in 2D layers steers the formation of rigid and flexible 3D supramolecular isomers: impact on the adsorption properties. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 9141-3	5.1	36
77	Fabrication and Characterization of Graphene/Hexagonal Boron Nitride Hybrid Sheets. <i>Applied Physics Express</i> , <b>2012</b> , 5, 085102	2.4	31
76	Synthesis and transformation of linear adamantane assemblies inside carbon nanotubes. <i>ACS Nano</i> , <b>2012</b> , 6, 8674-83	16.7	61
75	CONTROLLABLE CHEMICAL VAPOR DEPOSITION SYNTHESIS OF SINGLE-WALL CARBON NANOTUBES USING MIST FLOW METHOD. <i>Nano</i> , <b>2012</b> , 07, 1250045	1.1	5
74	Dimerization-Initiated Preferential Formation of Coronene-Based Graphene Nanoribbons in Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 15141-15145	3.8	74
73	Rock-Salt-Type Crystal of Thermally Contracted C60 with Encapsulated Lithium Cation. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 3433-3437	3.6	12
72	Rock-salt-type crystal of thermally contracted C60 with encapsulated lithium cation. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3377-81	16.4	68
71	Preparation and Observation of an Atomic Layer of Gold Formed on the Surface of Graphene. <i>Applied Physics Express</i> , <b>2012</b> , 5, 065103	2.4	3
70	Electronic structure of Eu atomic wires encapsulated inside single-wall carbon nanotubes. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	23
69	Carbon Nanotubes Encapsulating Atoms and Molecules. <i>Hyomen Kagaku</i> , <b>2012</b> , 33, 563-568		
68	Direct HRTEM observation of ultrathin freestanding ionic liquid film on carbon nanotube grid. <i>ACS Nano</i> , <b>2011</b> , 5, 4902-8	16.7	34
67	Growth of large-diameter (~4nm) single-wall carbon nanotubes in the nanospace of mesoporous material SBA-15. <i>Carbon</i> , <b>2011</b> , 49, 5173-5179	10.4	13
66	Length-sorted semiconducting carbon nanotubes for high-mobility thin film transistors. <i>Nano Research</i> , <b>2011</b> , 4, 963-970	10	111
65	Nanohybridization of Polyoxometalate Clusters and Single-Wall Carbon Nanotubes: Applications in Molecular Cluster Batteries. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 3533-3536	3.6	67
64	Nanohybridization of polyoxometalate clusters and single-wall carbon nanotubes: applications in molecular cluster batteries. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 3471-4	16.4	183
63	Preferential synthesis and isolation of (6,5) single-wall nanotubes from one-dimensional C <sub>1</sub> coalescence. <i>Nanoscale</i> , <b>2011</b> , 3, 4190-4	7.7	30
62	Thin-Film Transistors with Length-Sorted DNA-Wrapped Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 270-273	3.8	22
61	Transformation of ionic liquid into carbon nanotubes in confined nanospace. <i>Chemical Communications</i> , <b>2011</b> , 47, 10368-70	5.8	9

60	Irregular Modulation of Density-of-States of Nano-Peapods Encapsulating [email protected]82 Metallofullerenes. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 3968-3972	3.8	4
59	Low voltage electron diffractive imaging of atomic structure in single-wall carbon nanotubes. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 174103	3.4	20
58	Templating rare-earth hybridization via ultrahigh vacuum annealing of ErCl <sub>3</sub> nanowires inside carbon nanotubes. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	24
57	A layered ionic crystal of polar Li@C(60) superatoms. <i>Nature Chemistry</i> , <b>2010</b> , 2, 678-83	17.6	237
56	A simple alcohol-chemical vapor deposition synthesis of single-layer graphenes using flash cooling. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 263105	3.4	72
55	Synthesis of single-walled carbon nanotubes through micropores of surface-treated zeolites by catalyst-supported chemical vapor deposition. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 3919-23	1.3	2
54	Solution-phase extraction of ultrathin inner shells from double-wall carbon nanotubes. <i>ACS Nano</i> , <b>2010</b> , 4, 5807-12	16.7	38
53	Systematic Construction of Porous Coordination Pillared-layer Structures and Their Sorption Properties. <i>Chemistry Letters</i> , <b>2010</b> , 39, 218-219	1.7	35
52	High-performance thin-film transistors with DNA-assisted solution processing of isolated single-walled carbon nanotubes. <i>Advanced Materials</i> , <b>2010</b> , 22, 2698-701	24	50
51	Incommensurate guest adsorption in bellows-shaped one-dimensional channels of porous coordination polymers. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 129, 296-303	5.3	23
50	Scanning tunnelling spectroscopy on the local electronic structure of Gd@C <sub>82</sub> peapods. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 3030-3032	1.3	1
49	STM TIP-CURRENT-INDUCED POLYMERIZATION OF C <sub>60</sub> , Ce <sub>2</sub> @C <sub>80</sub> AND Lu <sub>2</sub> @C <sub>76</sub> . <i>Nano</i> , <b>2009</b> , 04, 281-287		4
48	Hindered rotation of methane molecules in the one-dimensional nanochannel of a porous coordination polymer. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 69-76	1.3	4
47	Chromatographic Length Separation and Photoluminescence Study on DNA-Wrapped Single-Wall and Double-Wall Carbon Nanotubes. <i>Journal of Nanomaterials</i> , <b>2009</b> , 2009, 1-8	3.2	6
46	Fabrication of single-wall carbon nanotubes within the channels of a mesoporous material by catalyst-supported chemical vapor deposition. <i>Carbon</i> , <b>2009</b> , 47, 722-730	10.4	18
45	Morphology and melting behavior of ionic liquids inside single-walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 14850-6	16.4	79
44	Fabrication of metal nanowires in carbon nanotubes via versatile nano-template reaction. <i>Nano Letters</i> , <b>2008</b> , 8, 693-9	11.5	173
43	Element-Specific Magnetic Properties of Di-Erbium Er <sub>2</sub> @C <sub>82</sub> and Er <sub>2</sub> C <sub>2</sub> @C <sub>82</sub> Metallofullerenes: A Synchrotron Soft X-ray Magnetic Circular Dichroism Study. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 6103-6109	3.8	27

42	SOLID-STATE <sup>13</sup> C AND <sup>45</sup> Sc NMR STUDIES ON ENDOHEDRAL SCANDIUM-CARBIDE METALLOFULLERENES: A MOTIONAL DYNAMICS OF Sc ATOMS IN FULLERENES. <i>Nano</i> , <b>2008</b> , 03, 21-25	1.1	4
41	High yield synthesis and characterization of the structural and magnetic properties of crystalline ErCl <sub>3</sub> nanowires in single-walled carbon nanotube templates. <i>Nano Research</i> , <b>2008</b> , 1, 152-157	10	42
40	Synthesis of single-wall carbon nanotubes grown from size-controlled Rh/Pd nanoparticles by catalyst-supported chemical vapor deposition. <i>Chemical Physics Letters</i> , <b>2008</b> , 458, 346-350	2.5	15
39	Synthesis, enhanced stability and structural imaging of C <sub>60</sub> and C <sub>70</sub> double-wall carbon nanotube peapods. <i>Chemical Physics Letters</i> , <b>2007</b> , 441, 94-99	2.5	20
38	Endohedral Metallofullerenes and Nano-Peapods. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 881-891	1.4	39
37	SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATION OF SALMON DNA-WRAPPED SINGLE-WALL CARBON NANOTUBES. <i>Nano</i> , <b>2007</b> , 02, 295-299	1.1	11
36	Enhanced 1520 nm photoluminescence from Er <sup>3+</sup> ions in di-erbium-carbide metallofullerenes (Er <sub>2</sub> C <sub>2</sub> )@C <sub>82</sub> (isomers I, II, and III). <i>ACS Nano</i> , <b>2007</b> , 1, 456-62	16.7	62
35	Nanochannel-promoted polymerization of substituted acetylenes in porous coordination polymers. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 4112-6	16.4	220
34	Metastable sorption state of a metal-organic porous material determined by in situ synchrotron powder diffraction. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 4932-6	16.4	101
33	Nanochannel-Promoted Polymerization of Substituted Acetylenes in Porous Coordination Polymers. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 4218-4222	3.6	43
32	Metastable Sorption State of a Metal-Organic Porous Material Determined by In Situ Synchrotron Powder Diffraction. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 5054-5058	3.6	31
31	Functionalities of one-dimensional dynamic ultramicropores in nickel(II) coordination polymers. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 8990-7	5.1	26
30	Single-wall carbon nanotubes encaging linear chain C <sub>10</sub> H <sub>2</sub> polyne molecules inside. <i>Chemical Physics Letters</i> , <b>2006</b> , 428, 356-360	2.5	116
29	Carbon-nanotube-based hybrid materials: nanopeapods. <i>Chemistry - an Asian Journal</i> , <b>2006</b> , 1, 646-55	4.5	54
28	Conversion of Allylic Alcohols to Carbonyl Compounds Catalyzed by Alkoxy-Bridged Dinuclear Areneruthenium Complexes. <i>Organometallics</i> , <b>2005</b> , 24, 4729-4733	3.8	14
27	Formation and characterization of crystalline molecular arrays of gas molecules in a 1-dimensional ultramicropore of a porous copper coordination polymer. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 23378-85	3.4	63
26	Highly controlled acetylene accommodation in a metal-organic microporous material. <i>Nature</i> , <b>2005</b> , 436, 238-41	50.4	1267
25	Direct observation of hydrogen molecules adsorbed onto a microporous coordination polymer. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 920-3	16.4	198



24	Cover Picture: Direct Observation of Hydrogen Molecules Adsorbed onto a Microporous Coordination Polymer (Angew. Chem. Int. Ed. 6/2005). <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 829-829	16.4	1
23	Direct Observation of Hydrogen Molecules Adsorbed onto a Microporous Coordination Polymer. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 942-945	3.6	31
22	Titelbild: Direct Observation of Hydrogen Molecules Adsorbed onto a Microporous Coordination Polymer (Angew. Chem. 6/2005). <i>Angewandte Chemie</i> , <b>2005</b> , 117, 851-851	3.6	2
21	Magnetic Properties of Molecular Oxygen Adsorbed in Micro-Porous Metal-Organic Solids. <i>Progress of Theoretical Physics Supplement</i> , <b>2005</b> , 159, 271-279		24
20	Functional porous coordination polymers. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 2334-75	16.4	9245
19	Immobilization of a metallo schiff base into a microporous coordination polymer. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 2684-7	16.4	319
18	Funktionale poröse Koordinationspolymere. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 2388-2430	3.6	1282
17	Immobilization of a Metallo Schiff Base into a Microporous Coordination Polymer. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 2738-2741	3.6	64
16	Metal-complex assemblies constructed from the flexible hinge-like ligand H2bhnq: structural versatility and dynamic behavior in the solid state. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 2647-60	4.8	86
15	Motion of methanol adsorbed in porous coordination polymer with paramagnetic metal ions. <i>Chemical Communications</i> , <b>2004</b> , 2152-3	5.8	29
14	Guest shape-responsive fitting of porous coordination polymer with shrinkable framework. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 14063-70	16.4	274
13	Rational design and crystal structure determination of a 3-D metal-organic jungle-gym-like open framework. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 6522-4	5.1	194
12	Titelbild: Angew. Chem. 4/2003. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 381-381	3.6	2
11	Porous Coordination-Polymer Crystals with Gated Channels Specific for Supercritical Gases. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 444-447	3.6	134
10	Cover Picture: Angew. Chem. Int. Ed. 4/2003. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 367-367	16.4	1
9	Porous coordination-polymer crystals with gated channels specific for supercritical gases. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 428-31	16.4	903
8	A Pillared-Layer Coordination Polymer Network Displaying Hysteretic Sorption: [Cu2(pzdc)2(dpyg)]n (pzdc= Pyrazine-2,3-dicarboxylate; dpyg=1,2-Di(4-pyridyl)glycol). <i>Angewandte Chemie</i> , <b>2002</b> , 114, 141-143	3.6	65
7	Novel flexible frameworks of porous cobalt(II) coordination polymers that show selective guest adsorption based on the switching of hydrogen-bond pairs of amide groups. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 3586-600	4.8	374

6	A pillared-layer coordination polymer network displaying hysteretic sorption: [Cu <sub>2</sub> (pzdc) <sub>2</sub> (dpyg)] <sub>n</sub> (pzdc= pyrazine-2,3-dicarboxylate; dpyg=1,2-Di(4-pyridyl)glycol). <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 133-5	16.4	466
5	Bridge coordination of bidentate ligands to a dinuclear $\beta$ -arene-ruthenium(II) unit constructed by a chelating and bridging alkoxo ligand. <i>Inorganica Chimica Acta</i> , <b>2002</b> , 334, 142-148	2.7	12
4	Formation of a one-dimensional array of oxygen in a microporous metal-organic solid. <i>Science</i> , <b>2002</b> , 298, 2358-61	33.3	552
3	Pillared layer compounds based on metal complexes. Synthesis and properties towards porous materials. <i>Comments on Inorganic Chemistry</i> , <b>2002</b> , 23, 101-126	3.9	41
2	Framework engineering by anions and porous functionalities of Cu(II)/4,4'-bpy coordination polymers. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 2568-83	16.4	620
1	A Pillared-Layer Coordination Polymer Network Displaying Hysteretic Sorption: [Cu <sub>2</sub> (pzdc) <sub>2</sub> (dpyg)] <sub>n</sub> (pzdc= Pyrazine-2,3-dicarboxylate; dpyg=1,2-Di(4-pyridyl)glycol) <b>2002</b> , 41, 133		1