

Dirk Volkmer

List of Publications by Year in descending order

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7867
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#	ARTICLE	IF	CITATIONS
1	Viscoelasticity and energy dissipation as indicators of flexural fatigue behavior in a ductile carbon fiber-reinforced cementitious composite. <i>International Journal of Fatigue</i> , 2022, 160, 106839.	5.7	3
2	Assembly of Porous Metal Hydrogen-Bonded Organic Frameworks from Diamine-Functionalized Kuratowski Complexes. <i>Crystal Growth and Design</i> , 2022, 22, 379-391.	3.0	4
3	Combining Theory and Experiments To Study the Influence of Gas Sorption on the Conductivity Properties of Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33662-33674.	8.0	1
4	An Anthracene-Based Metal-Organic Framework for Selective Photo-Reduction of Carbon Dioxide to Formic Acid Coupled with Water Oxidation. <i>Chemistry - A European Journal</i> , 2021, 27, 4098-4107.	3.3	11
5	A Zr-Based Metal-Organic Framework with a DUT-52 Structure Containing a Trifluoroacetamido-Functionalized Linker for Aqueous Phase Fluorescence Sensing of the Cyanide Ion and Aerobic Oxidation of Cyclohexane. <i>Inorganic Chemistry</i> , 2021, 60, 4539-4550.	4.0	26
6	Influence of fiber alignment on pseudoductility and microcracking in a cementitious carbon fiber composite material. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	3.1	12
7	Interfacial Instability as Shaping Mechanism for Polystyrene Particles with Tunable Surface Texture. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100628.	3.7	4
8	Interfacial Instability as Shaping Mechanism for Polystyrene Particles with Tunable Surface Texture (Adv. Mater. Interfaces 16/2021). <i>Advanced Materials Interfaces</i> , 2021, 8, 2170087.	3.7	0
9	Acenaphtho[1,2- <i>c</i>][1,2,3]triazole and Its Kuratowski Complex. A -Extended Tecton for Supramolecular and Coordinative Self-Assembly. <i>Chemistry - A European Journal</i> , 2021, , .	3.3	2
10	3D printing as an automated manufacturing method for a carbon fiber-reinforced cementitious composite with outstanding flexural strength (105 N/mm ²). <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	3.1	4
11	Evaluation of the Behavior of Carbon Short Fiber Reinforced Concrete (CSFRC) Based on a Multi-Sensory Experimental Investigation and a Numerical Multiscale Approach. <i>Materials</i> , 2021, 14, 7005.	2.9	5
12	Influence of surface-modification, length and volume fraction of carbon short fibers on the mechanical properties of calcium aluminate cement systems. <i>Materials Today Communications</i> , 2020, 25, 101704.	1.9	7
13	Cooperative Large-Hysteresis Spin-Crossover Transition in the Iron(II) Triazolate [Fe(ta) ₂] Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2020, 59, 10501-10511.	4.0	23
14	Supercooled water confined in a metal-organic framework. <i>Communications Physics</i> , 2020, 3, .	5.3	11
15	CFA-18: a homochiral metal-organic framework (MOF) constructed from rigid enantiopure bistriazolate linker molecules. <i>Dalton Transactions</i> , 2020, 49, 15758-15768.	3.3	7
16	Indications for Lifshitz transitions in the nodal-line semimetal ZrSiTe induced by interlayer interaction. <i>Physical Review B</i> , 2020, 101, .	3.2	17
17	Zeolitic Imidazolate Frameworks as pH-Sensitive Nanocarrier for -Arsenic Trioxide-Drug Delivery. <i>Chemistry - A European Journal</i> , 2019, 25, 13189-13196.	3.3	30
18	Organometallic MFU-4 <i>l</i> (<i>l</i>) (arge) Metal-Organic Frameworks. <i>Organometallics</i> , 2019, 38, 3444-3452.	2.3	27

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19	The 2019 surface acoustic waves roadmap. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 353001.	2.8	236
20	Synthesis, Thermal Stability, and Magnetic Properties of a Manganese(II) Coordination Framework Containing Bistriazolate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4471-4476.	2.0	4
21	Long-term entrapment and temperature-controlled-release of SF ₆ gas in metal-organic frameworks (MOFs). <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1851-1859.	2.8	5
22	Single crystals of Metal-Organic Framework Ulm-4 grown selectively on a micro-structured plasma polymer coating. <i>Thin Solid Films</i> , 2019, 684, 36-41.	1.8	1
23	Dynamic Studies on Kinetic H ₂ /D ₂ Quantum Sieving in a Narrow Pore Metal-Organic Framework Grown on a Sensor Chip. <i>Chemistry - A European Journal</i> , 2019, 25, 10803-10807.	3.3	12
24	CFA-15 – a perfluorinated metal-organic framework with linear 1-D Cu ^{II} -chains containing accessible unsaturated, reactive metal centres. <i>Dalton Transactions</i> , 2019, 48, 15236-15246.	3.3	10
25	Anisotropic Water-Mediated Proton Conductivity in Large Iron(II) Metal-Organic Framework Single Crystals for Proton-Exchange Membrane Fuel Cells. <i>ACS Applied Nano Materials</i> , 2019, 2, 291-298.	5.0	39
26	Metal-organic frameworks in Germany: From synthesis to function. <i>Coordination Chemistry Reviews</i> , 2019, 380, 378-418.	18.8	91
27	Glycerol confined in zeolitic imidazolate frameworks: The temperature-dependent cooperativity length scale of glassy freezing. <i>Journal of Chemical Physics</i> , 2019, 150, 024504.	3.0	24
28	High Volumetric Hydrogen Storage Capacity using Interpenetrated Metal-Organic Frameworks. <i>Energy Technology</i> , 2018, 6, 510-512.	3.8	31
29	Metal-organic framework nanoparticles for arsenic trioxide drug delivery. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6481-6489.	5.8	30
30	Achieving Large Volumetric Gas Storage Capacity in Metal-Organic Frameworks by Kinetic Trapping: A Case Study of Xenon Loading in MFU-4. <i>Journal of the American Chemical Society</i> , 2018, 140, 10191-10197.	13.7	46
31	CFA-14 – a perfluorinated metal-organic framework with linear 1-D Co ^{II} -chains showing temperature dependent spin-chain magnetic ordering. <i>Dalton Transactions</i> , 2018, 47, 12750-12758.	3.3	5
32	Synthesis and characterization of a flexible metal organic framework generated from Mn ^{III} and the 4,4'-bipyrazolate-ligand. <i>Dalton Transactions</i> , 2018, 47, 8779-8786.	3.3	9
33	One-pot synthesis of ultrastable pentanuclear alkylzinc complexes. <i>Dalton Transactions</i> , 2017, 46, 2618-2625.	3.3	9
34	Properties of 3D-printed fiber-reinforced Portland cement paste. <i>Cement and Concrete Composites</i> , 2017, 79, 62-70.	10.7	310
35	Cyclic gas-phase heterogeneous process in a metal-organic framework involving a nickel nitrosyl complex. <i>Faraday Discussions</i> , 2017, 201, 101-112.	3.2	14
36	CFA-4 – a fluorinated metal-organic framework with exchangeable interchannel cations. <i>Dalton Transactions</i> , 2017, 46, 6745-6755.	3.3	17

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37	Fast Surface Acoustic Wave-Based Sensors to Investigate the Kinetics of Gas Uptake in Ultra-Microporous Frameworks. <i>ACS Sensors</i> , 2017, 2, 740-747.	7.8	54
38	Capture of heavy hydrogen isotopes in a metal-organic framework with active Cu(I) sites. <i>Nature Communications</i> , 2017, 8, 14496.	12.8	98
39	Zinc(II) Coordination Frameworks Based on Benzobisimidazole: The Role of the Methyl Substituent. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5395-5402.	2.0	3
40	Single-Crystal to Single-Crystal Transformation of a Nonporous Fe(II) Metal-Organic Framework into a Porous Metal-Organic Framework via a Solid-State Reaction. <i>Inorganic Chemistry</i> , 2017, 56, 12337-12347.	4.0	18
41	Magnetodielectric coupling in a non-perovskite metal-organic framework. <i>Materials Horizons</i> , 2017, 4, 1178-1184.	12.2	10
42	CFA-13 is a bifunctional perfluorinated metal-organic framework featuring active Cu(I) and Cu(II) sites. <i>Dalton Transactions</i> , 2017, 46, 14907-14915.	3.3	10
43	Defibrillation of soft porous metal-organic frameworks with electric fields. <i>Science</i> , 2017, 358, 347-351.	12.6	352
44	MOFs modeling and theory: general discussion. <i>Faraday Discussions</i> , 2017, 201, 233-245.	3.2	4
45	New directions in gas sorption and separation with MOFs: general discussion. <i>Faraday Discussions</i> , 2017, 201, 175-194.	3.2	6
46	Catalysis in MOFs: general discussion. <i>Faraday Discussions</i> , 2017, 201, 369-394.	3.2	14
47	Bistriazole-p-benzoquinone and its alkali salts: electrochemical behaviour in aqueous alkaline solutions. <i>Dalton Transactions</i> , 2017, 46, 12537-12543.	3.3	5
48	Zr(IV) and Ce(IV)-based metal-organic frameworks incorporating 4-carboxycinnamic acid as ligand: Synthesis and properties. <i>Microporous and Mesoporous Materials</i> , 2017, 237, 275-281.	4.4	13
49	Preparation of thick silica coatings on carbon fibers with fine-structured silica nanotubes induced by a self-assembly process. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1145-1155.	2.8	9
50	From Micro to Nano: A Toolbox for Tuning Crystal Size and Morphology of Benzotriazolate-Based Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2016, 16, 3190-3197.	3.0	58
51	Portland cement paste with aligned carbon fibers exhibiting exceptionally high flexural strength (> Tj ETQq1 1 0,784314 rgBT /Overl 11.0 100	11.0	100
52	A structurally flexible triazolate-based metal-organic framework featuring coordinatively unsaturated copper(I) sites. <i>Dalton Transactions</i> , 2016, 45, 13853-13862.	3.3	26
53	Flexible chiral pyrazolate-based metal-organic framework containing saddle-type Cu ^I ₄ (pyrazolate) ₄ units. <i>CrystEngComm</i> , 2016, 18, 7883-7893.	2.6	9
54	[Co ₅ Tp* ₄ (Me ₂ bta) ₆]: A Highly Symmetrical Pentanuclear Kuratowski Complex Featuring Tris(pyrazolyl)borate and Benzotriazolate Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 1053-1060.	4.0	14

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55	Carbon fibre reinforced cement-based composites as smart floor heating materials. <i>Composites Part B: Engineering</i> , 2016, 90, 465-470.	12.0	80
56	Metal-organic frameworks as host materials of confined supercooled liquids. <i>Journal of Chemical Physics</i> , 2015, 143, 154505.	3.0	14
57	Carbon supported Ru clusters prepared by pyrolysis of Ru precursor-impregnated biopolymer fibers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20919-20926.	10.3	9
58	CFA-7 : an interpenetrated metal-organic framework of the MFU-4 family. <i>Dalton Transactions</i> , 2015, 44, 13060-13070.	3.3	19
59	Elucidating Lewis acidity of metal sites in MFU-4l metal-organic frameworks: N ₂ O and CO ₂ adsorption in MFU-4l, Cu-MFU-4l and Li-MFU-4l. <i>Microporous and Mesoporous Materials</i> , 2015, 216, 146-150.	4.4	21
60	Postsynthetic Metal and Ligand Exchange in MFU-4l: A Screening Approach toward Functional Metal-Organic Frameworks Comprising Single-Site Active Centers. <i>Chemistry - A European Journal</i> , 2015, 21, 8188-8199.	3.3	70
61	Gas sorption and transition-metal cation separation with a thienothiophene based zirconium metal-organic framework. <i>Journal of Solid State Chemistry</i> , 2015, 232, 221-227.	2.9	17
62	Mixed SAMs of backbone-functionalized tribenzotriquinacenes and alkanethiols: Synthesis, preparation and STM-investigations. <i>Applied Surface Science</i> , 2015, 356, 645-650.	6.1	10
63	Formation of a quasi-solid structure by intercalated noble gas atoms in pores of Cu ^I -MFU-4l metal-organic framework. <i>Chemical Communications</i> , 2015, 51, 714-717.	4.1	18
64	Fe/Ga-CFA-6 metal organic frameworks featuring trivalent metal centers and the 4,4'-bipyrazolyl ligand. <i>CrystEngComm</i> , 2015, 17, 313-322.	2.6	7
65	Unveiling the mechanism of selective gate-driven diffusion of CO ₂ over N ₂ in MFU-4 metal-organic framework. <i>Dalton Transactions</i> , 2014, 43, 9612-9619.	3.3	22
66	Almost Enclosed Buckyball Joints: Synthesis, Complex Formation, and Computational Simulations of Pentacyclic-Extended Tribenzotriquinacene. <i>ChemPhysChem</i> , 2014, 15, 3855-3863.	2.1	21
67	Dielectric Relaxation Processes, Electronic Structure, and Band Gap Engineering of MFU-4l-type Metal-Organic Frameworks: Towards a Rational Design of Semiconducting Microporous Materials. <i>Advanced Functional Materials</i> , 2014, 24, 3885-3896.	14.9	95
68	Two 3D Coordination Frameworks Based on Benzobisimidazole Linkers Generated under Similar Conditions: Synthesis, Structures and Thermal Properties. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5362-5369.	2.0	3
69	Scorpionate-type Coordination in MFU-4l Metal-Organic Frameworks: Small-Molecule Binding and Activation upon the Thermally Activated Formation of Open Metal Sites. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5832-5836.	13.8	120
70	Tribenzotriquinacene Receptors for C ₆₀ -Fullerene Rotors: Towards C ₃ -Symmetrical Chiral Stators for Unidirectionally Operating Nanoratchets. <i>Chemistry - A European Journal</i> , 2014, 20, 9100-9110.	3.3	30
71	Selective Adsorption of Functionalized Nanoparticles to Patterned Polymer Brush Surfaces and Its Probing with an Optical Trap. <i>ChemPhysChem</i> , 2013, 14, 3523-3531.	2.1	7
72	Sorption and breathing properties of difluorinated MIL-47 and Al-MIL-53 frameworks. <i>Microporous and Mesoporous Materials</i> , 2013, 181, 175-181.	4.4	36

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73	Conventional and microwave assisted hydrothermal syntheses of 11 Å... tobermorite. Journal of Materials Chemistry A, 2013, 1, 10318.	10.3	25
74	CFA-1: the first chiral metal-organic framework containing Kuratowski-type secondary building units. Dalton Transactions, 2013, 42, 10786.	3.3	55
75	Partially fluorinated MIL-47 and Al-MIL-53 frameworks: influence of functionalization on sorption and breathing properties. Physical Chemistry Chemical Physics, 2013, 15, 3552.	2.8	63
76	New V ^{IV} -Based Metal-Organic Framework Having Framework Flexibility and High CO ₂ Adsorption Capacity. Inorganic Chemistry, 2013, 52, 113-120.	4.0	68
77	CFA-2 and CFA-3 (Coordination Framework Augsburg University-2 and -3); novel MOFs assembled from trinuclear Cu(I)/Ag(I) secondary building units and 3,5-bis(2,5-tetraphenyl-bipyrzolate) ligands. Dalton Transactions, 2013, 42, 6909.	3.3	32
78	Thin Films: Microdomain Transformations in Mosaic Mesocrystal Thin Films (Adv. Funct. Mater.)	14.9	10
79	Computational screening study towards redox-active metal-organic frameworks. New Journal of Physics, 2013, 15, 115004.	2.9	13
80	Microdomain Transformations in Mosaic Mesocrystal Thin Films. Advanced Functional Materials, 2013, 23, 1547-1555.	14.9	19
81	A Metallosupramolecular Octahedron Assembled from Twelve Copper(I) Metal Ions and Six 4,4'-bis(1,2-phenylene)bis(3,5-dimethylpyrazole) Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1461-1471.		16
82	MFU-4l - A Metal-Organic Framework for Highly Effective H ₂ /D ₂ Separation. Advanced Materials, 2013, 25, 635-639.	21.0	150
83	Production of CaCO ₃ /hyperbranched polyglycidol hybrid films using spray-coating technique. Journal of Colloid and Interface Science, 2012, 374, 61-69.	9.4	17
84	Cu ₆ Jahn-Teller centers in coordination frameworks comprising fully condensed Kuratowski-type secondary building units: phase transitions and magneto-structural correlations. Dalton Transactions, 2012, 41, 4239.	3.3	21
85	Plasma-Enhanced Chemical Vapor Deposition of n-Heptane and Methyl Methacrylate for Potential Cell Alignment Applications. ACS Applied Materials & Interfaces, 2012, 4, 5196-5203.	8.0	8
86	The existence region and composition of a polymer-induced liquid precursor phase for dl-glutamic acid crystals. Physical Chemistry Chemical Physics, 2012, 14, 914-919.	2.8	21
87	Novel characterization of the adsorption sites in large pore metal-organic frameworks: combination of X-ray powder diffraction and thermal desorption spectroscopy. Physical Chemistry Chemical Physics, 2012, 14, 12892.	2.8	12
88	Noble gases and microporous frameworks; from interaction to application. Microporous and Mesoporous Materials, 2012, 162, 64-68.	4.4	74
89	Reversible gas-phase redox processes catalyzed by Co-exchanged MFU-4l(arge). Chemical Communications, 2012, 48, 1236-1238.	4.1	108
90	Synthesis, Structural Characterization, and Catalytic Performance of a Vanadium-Based Metal-Organic Framework (COMOC-3). European Journal of Inorganic Chemistry, 2012, 2012, 2819-2827.	2.0	47

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91	Vanadium Analogues of Nonfunctionalized and Amino-Functionalized MOFs with MIL-101 Topology: Synthesis, Characterization, and Gas Sorption Properties. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2481-2486.	2.0	48
92	Coatings from micropatterned sulfobetaine polymer brushes as substrates for MC3T3-E1 cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 573-579.	3.6	5
93	Photophysical properties of Kuratowski-type coordination compounds [MII ₂ Zn ₄ Cl ₄ (Me ₂ bta) ₆] (MII = Zn). <i>Tetrahedron Letters</i> , 2011, 52, 1078-1081.	3.3	29
94	Hierarchical γ -Glutamic Acid Microspheres from Polymer-Induced Liquid Precursors. <i>Crystal Growth and Design</i> , 2011, 11, 3243-3249.	3.0	26
95	3D characterization of microstructured poly(methacrylic acid) thin films via Mach-Zehnder interference microscopy. <i>Thin Solid Films</i> , 2011, 519, 8100-8108.	1.8	3
96	Preparation of Hierarchical Mesocrystalline DL-Lysine-HCl-Poly(acrylic acid) Hybrid Thin Films. <i>Advanced Materials</i> , 2011, 23, 3548-3552.	21.0	20
97	Elucidating Gating Effects for Hydrogen Sorption in MFU-4L-Type Triazolate-Based Metal-Organic Frameworks Featuring Different Pore Sizes. <i>Chemistry - A European Journal</i> , 2011, 17, 1837-1848.	3.3	222
98	Pyrazolate-Based Cobalt(II)-Containing Metal-Organic Frameworks in Heterogeneous Catalytic Oxidation Reactions: Elucidating the Role of Entatic States for Biomimetic Oxidation Processes. <i>Chemistry - A European Journal</i> , 2011, 17, 8671-8695.	3.3	138
99	[Cu ₄ OCl ₆ (DABCO) ₂] \cdot 0.5DABCO \cdot 4CH ₃ OH (α -MFU-5l): Modular synthesis of a zeolite-like metal-organic framework constructed from tetrahedral {Cu ₄ OCl ₆ } secondary building units and linear organic linkers. <i>Journal of Solid State Chemistry</i> , 2010, 183, 208-217.	2.9	17
100	Comparative solvolytic stabilities of copper(II) nanoballs and dinuclear Cu(II) paddle wheel units. <i>Inorganica Chimica Acta</i> , 2010, 363, 4220-4229.	2.4	29
101	Syntheses and Magnetostructural Investigations on Kuratowski-Type Homo- and Heteropentanuclear Coordination Compounds [M ₃ Zn ₆ Cl ₆ L ₁₂] (M = Zn, Fe; L = 5,6-dimethoxy-1,2,3-benzotriazolate). <i>Inorganic Chemistry</i> , 2010, 49, 7424-7434.	4.0	43
102	Thermal spin-crossover in the [M ₃ Zn ₆ Cl ₆ L ₁₂] (M = Zn, Fe; L = 5,6-dimethoxy-1,2,3-benzotriazolate) system: structural, electrochemical, Mössbauer, and UV-Vis spectroscopic studies. <i>Dalton Transactions</i> , 2010, 39, 9851.	3.3	16
103	Nonanuclear Coordination Compounds Featuring {M ₉ L ₁₂ } ⁶⁺ Cores (M = Ni, Co, or Zn; L = 1,2,3-Benzotriazolate). <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3094-3101.	2.0	24
104	Heterogeneous Catalytic Oxidation by MFU-5l: A Cobalt(II)-Containing Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7546-7550.	13.8	190
105	Synthesis of terpyridine-substituted calix[n]arenes. <i>Tetrahedron Letters</i> , 2009, 50, 1303-1306.	1.4	11
106	Usage of polymer brushes as substrates of bone cells. <i>Frontiers of Materials Science in China</i> , 2009, 3, 132-144.	0.5	8
107	A cubic coordination framework constructed from benzobistriazolate ligands and zinc ions having selective gas sorption properties. <i>Dalton Transactions</i> , 2009, , 6487.	3.3	120
108	A self-assembling metallosupramolecular cage based on cavitand-terpyridine subunits. <i>Tetrahedron Letters</i> , 2008, 49, 5939-5942.	1.4	60

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109	Homo- and Heteropentanuclear Coordination Compounds with T_d Symmetry: the Solid State Structures of $[MZn_4(L)_4(L^2)_6]$ ($M = Co$ or Tl) Chemie, 2008, 634, 2532-2538.	11.2	784314
110	Metal-Organic Frameworks (MOFs) Composed of (Triptycenedicarboxylato)zinc. European Journal of Inorganic Chemistry, 2008, 2601-2609.	2.0	31
111	Isolated and Linear Arrays of Surfactant-Encapsulated Polyoxometalate Clusters on Graphite. Langmuir, 2008, 24, 2767-2771.	3.5	7
112	Molecular Dynamics Simulations of Dendrimer-Encapsulated Keggin Ions in Trichloromethane Solution. Journal of Physical Chemistry B, 2008, 112, 5153-5162.	2.6	23
113	Formation of Single-Crystalline Aragonite Tablets/Films via an Amorphous Precursor. Langmuir, 2007, 23, 1988-1994.	3.5	70
114	Synthesis of Poly(methacrylic acid) Brushes via Surface-Initiated Atom Transfer Radical Polymerization of Sodium Methacrylate and Their Use as Substrates for the Mineralization of Calcium Carbonate. Macromolecules, 2007, 40, 168-177.	4.8	81
115	Nanosized Ball Joints Constructed from C_{60} and Tribenzotriquinacene Sockets: Synthesis, Component Self-Assembly and Structural Investigations. Chemistry - A European Journal, 2007, 13, 9931-9938.	3.3	59
116	Self-Assembly of Amphiphilic Hexapyridinium Cations at the Air/Water Interface and on HOPG Surfaces. ChemPhysChem, 2007, 8, 2354-2362.	2.1	2
117	Nanometer-Sized Molybdenum-Iron Oxide Capsule-Surface Modifications: External and Internal. Small, 2007, 3, 986-992.	10.0	10
118	Vaterite Polymorph Switching Controlled by Surface Charge Density of an Amphiphilic Dendron-calix[4]arene. Crystal Growth and Design, 2006, 6, 1120-1123.	3.0	54
119	Polyoxometalate-Based Electro- and Photochromic Dual-Mode Devices. Langmuir, 2006, 22, 1949-1951.	3.5	147
120	Polymer Brushes as Ionotropic Matrices for the Directed Fabrication of Microstructured Calcite Thin Films. Angewandte Chemie - International Edition, 2006, 45, 7458-7461.	13.8	97
121	Elucidating the role of charge density on the growth of $CaCO_3$ crystals underneath Calix[4]arene monolayers. Materials Science and Engineering C, 2005, 25, 161-167.	7.3	30
122	Morphosynthesis of Nacre-Type Laminated $CaCO_3$ Thin Films and Coatings. Angewandte Chemie - International Edition, 2005, 44, 639-644.	13.8	102
123	Interfacial electrostatics guiding the crystallization of $CaCO_3$ underneath monolayers of calixarenes and resorcarenes Electronic supplementary information (ESI) available: representative optical and scanning electron micrographs of $CaCO_3$ crystals grown underneath a monolayer of 1 at low surface pressure; additional crystallographic data including numbering schemes, tables and refinement details. See http://www.rsc.org/suppdata/jm/b4/b403132f/ ; Journal of Materials Chemistry, 2004, 14, 2249.	6.7	89
124	Smart Polyoxometalate-Based Nitrogen Monoxide Sensors. Analytical Chemistry, 2004, 76, 4579-4582.	6.5	60
125	Acidic peptides acting as growth modifiers of calcite crystals Electronic Supplementary Information (ESI) available: full analytical characterization of 1 and 2 as well as experimental details on $CaCO_3$ crystal growth and crystallographic analysis of the calcite crystal morphology. See http://www.rsc.org/suppdata/cc/b4/b405613b/ . Chemical Communications, 2004, 1872.	4.1	56
126	Coordination arrays: Synthesis and characterization of tetranuclear complexes of grid-type. Canadian Journal of Chemistry, 2004, 82, 1428-1434.	1.1	9

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127	Dynamics and Equilibrium of the Penetration of Soluble Cetyltrimethylammonium Bromide into Langmuir Monolayers of Arachidic Acid under Different pH Conditions. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16163-16167.	2.6	9
128	From molecular modules to modular materials. <i>Pure and Applied Chemistry</i> , 2004, 76, 1847-1867.	1.9	6
129	Functional Polyoxometalate Thin Films via Electrostatic Layer-by-Layer Self-Assembly. <i>Journal of Cluster Science</i> , 2003, 14, 405-419.	3.3	75
130	Morphosynthesis of Star-Shaped Titania "Silica Shells. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 58-61.	13.8	36
131	The Structure of Self-Assembled Multilayers with Polyoxometalate Nanoclusters. <i>Journal of the American Chemical Society</i> , 2002, 124, 12279-12287.	13.7	231
132	Structure and Properties of the Dendron-Encapsulated Polyoxometalate (C ₅₂ H ₆₀ NO ₁₂) ₁₂ [(Mn(H ₂ O)) ₃ (SbW ₉ O ₃₃) ₂], a First Generation Dendrzyme. <i>Journal of the American Chemical Society</i> , 2002, 124, 10489-10496.	13.7	120
133	Crystallization of (012) oriented calcite single crystals underneath monolayers of tetra(carboxymethoxy)calix[4]arenes. <i>Dalton Transactions RSC</i> , 2002, , 4547.	2.3	42
134	Oriented crystallization of calcite single crystals grown underneath monolayers of tetracarboxyresorc[4]arenes. <i>CrystEngComm</i> , 2002, 4, 288-295.	2.6	40
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