

Antonia Neels

List of Publications by Year in descending order

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265
papers

7,424
citations

53794

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74163

75
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277
all docs

277
docs citations

277
times ranked

7980
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ Investigations on Gold Nanoparticles Stabilization Mechanisms in Biological Environments Containing HSA. <i>Advanced Functional Materials</i> , 2022, 32, 2110253.	14.9	8
2	Unraveling the Influence of Thermal Drawing Parameters on the Microstructure and Thermo-Mechanical Properties of Multimaterial Fibers. <i>Small</i> , 2022, 18, e2101392.	10.0	9
3	Conductive Hybrid Cu-HHTP-CNQ Metal-Organic Frameworks for Chemiresistive Sensing. <i>Advanced Electronic Materials</i> , 2022, 8, 2100871.	5.1	5
4	Understanding multiscale structure-property correlations in PVDF-HFP electrospun fiber membranes by SAXS and WAXS. <i>Nanoscale Advances</i> , 2022, 4, 491-501.	4.6	8
5	Lattice Strain and Defects Analysis in Nanostructured Semiconductor Materials and Devices by High-Resolution X-Ray Diffraction: Theoretical and Practical Aspects (Small Methods 2/2022). <i>Small Methods</i> , 2022, 6, .	8.6	0
6	Non contrast enhanced volumetric histology of blood clots through high resolution propagation-based X-ray microtomography. <i>Scientific Reports</i> , 2022, 12, 2778.	3.3	3
7	Photoresponsive Movement in 3D Printed Cellulose Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16703-16717.	8.0	11
8	Multi-Modal X-ray Imaging and Analysis for Characterization of Urinary Stones. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3798.	2.5	0
9	Lattice Strain and Defects Analysis in Nanostructured Semiconductor Materials and Devices by High-Resolution X-Ray Diffraction: Theoretical and Practical Aspects. <i>Small Methods</i> , 2022, 6, e2100932.	8.6	39
10	Emulsion electrospinning of sodium alginate/poly(μ -caprolactone) core/shell nanofibers for biomedical applications. <i>Nanoscale Advances</i> , 2022, 4, 2929-2941.	4.6	19
11	HRXRD and micro-CT multiscale investigation of stress and defects induced by a novel packaging design for MEMS sensors. <i>Applied Materials Today</i> , 2022, 29, 101555.	4.3	2
12	Translating a Thin-Film Rehydration Method to Microfluidics for the Preparation of a SARS-CoV-2 DNA Vaccine: When Manufacturing Method Matters. <i>Pharmaceutics</i> , 2022, 14, 1427.	4.5	4
13	Combining polarized Raman spectroscopy and micropillar compression to study microscale structure-property relationships in mineralized tissues. <i>Acta Biomaterialia</i> , 2021, 119, 390-404.	8.3	26
14	Characterization, mechanical properties and dimensional accuracy of a Zr-based bulk metallic glass manufactured via laser powder-bed fusion. <i>Materials and Design</i> , 2021, 199, 109400.	7.0	38
15	Strain depth profiles in thin films extracted from in-plane X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2021, 54, 87-98.	4.5	2
16	Tuning the microstructure of the Pt layers grown on Al ₂ O ₃ by different sputtering methods. <i>Scripta Materialia</i> , 2021, 194, 113689.	5.2	4
17	Metal-Modified Montmorillonite as Plasmonic Microstructure for Direct Protein Detection. <i>Sensors</i> , 2021, 21, 2655.	3.8	14
18	Effect of radiant heat exposure on structure and mechanical properties of thermal protective fabrics. <i>Polymer</i> , 2021, 222, 123634.	3.8	10

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19	3D printing of shape-morphing and antibacterial anisotropic nanocellulose hydrogels. <i>Carbohydrate Polymers</i> , 2021, 259, 117716.	10.2	59
20	Robust Barium Phosphonate Metal-Organic Frameworks Synthesized under Aqueous Conditions. , 2021, 3, 1010-1015.		3
21	Multiscale and multimodal X-ray analysis: Quantifying phase orientation and morphology of mineralized turkey leg tendons. <i>Acta Biomaterialia</i> , 2021, 129, 169-177.	8.3	2
22	Additive manufacturing of a precious bulk metallic glass. <i>Applied Materials Today</i> , 2021, 24, 101080.	4.3	18
23	Structural and morphological effect of Ti underlayer on Pt/Co/Pt magnetic ultra-thin film. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 105505.	1.5	1
24	Spin-Printing of Liquid Crystal Polymer into Recyclable and Strong All-Fiber Materials. <i>Advanced Functional Materials</i> , 2021, 31, 2104574.	14.9	12
25	Tensile and Impact Toughness Properties of a Zr-Based Bulk Metallic Glass Fabricated via Laser Powder-Bed Fusion. <i>Materials</i> , 2021, 14, 5627.	2.9	10
26	Preparation and Machine-Learning Methods of Nacre-like Composites from the Self-Assembly of Magnetic Colloids Exposed to Rotating Magnetic Fields. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48040-48052.	8.0	7
27	Cryogenic electron tomography to determine thermodynamic quantities for nanoparticle dispersions. <i>Materials Horizons</i> , 2021, , .	12.2	3
28	Complex-Shaped Cellulose Composites Made by Wet Densification of 3D Printed Scaffolds. <i>Advanced Functional Materials</i> , 2020, 30, 1904127.	14.9	54
29	New approach for time-resolved and dynamic investigations on nanoparticles agglomeration. <i>Nano Research</i> , 2020, 13, 2847-2856.	10.4	20
30	New Insights into Osteointegration and Delamination from a Multidisciplinary Investigation of a Failed Hydroxyapatite-Coated Hip Joint Replacement. <i>Materials</i> , 2020, 13, 4713.	2.9	6
31	Responsive Nanofibers with Embedded Hierarchical Lipid Self-Assemblies. <i>Langmuir</i> , 2020, 36, 11787-11797.	3.5	6
32	Bone mineral density, mechanical properties, and trabecular orientation of cancellous bone within humeral heads affected by advanced shoulder arthropathy. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1914-1919.	2.3	7
33	3D Printing: Complex-Shaped Cellulose Composites Made by Wet Densification of 3D Printed Scaffolds (<i>Adv. Funct. Mater.</i> 4/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070024.	14.9	2
34	Real- and Q -space travelling: multi-dimensional distribution maps of crystal-lattice strain (ϵ_{044}) and tilt of suspended monolithic silicon nanowire structures. <i>Journal of Applied Crystallography</i> , 2020, 53, 58-68.	4.5	10
35	Polarimetric imaging in backscattering for the structural characterization of strongly scattering birefringent fibrous media. <i>Optics Express</i> , 2020, 28, 16673.	3.4	4
36	Insight into the Synthesis and Characterization of Organophosphorus-Based Bridged Triazine Compounds. <i>Molecules</i> , 2019, 24, 2672.	3.8	13

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37	Physical vapour deposition of cyanine salts and their first application in organic electronic devices. <i>Journal of Materials Chemistry C</i> , 2019, 7, 414-423.	5.5	4
38	Synthesis and electronic properties of A ₃ B-thienyl porphyrins: experimental and computational investigations. <i>New Journal of Chemistry</i> , 2019, 43, 1569-1580.	2.8	20
39	Encrustations on ureteral stents from patients without urinary tract infection reveal distinct urotypes and a low bacterial load. <i>Microbiome</i> , 2019, 7, 60.	11.1	19
40	Structural insights into semicrystalline states of electrospun nanofibers: a multiscale analytical approach. <i>Nanoscale</i> , 2019, 11, 7176-7187.	5.6	21
41	Surface tension and viscosity of liquid Pd ₄₃ Cu ₂₇ Ni ₁₀ P ₂₀ measured in a levitation device under microgravity. <i>Npj Microgravity</i> , 2019, 5, 4.	3.7	21
42	Nano-analytical characterization of endogenous minerals in healthy placental tissue: mineral distribution, composition and ultrastructure. <i>Analyst</i> , 2019, 144, 6850-6857.	3.5	8
43	Lanthanide-Doped Hafnia Nanoparticles for Multimodal Theranostics: Tailoring the Physicochemical Properties and Interactions with Biological Entities. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 437-448.	8.0	19
44	Investigation of the Axial Gap Clearance in a Hydrodynamic Passive Magnetically Levitated Rotary Blood Pump Using X-Ray Radiography. <i>Artificial Organs</i> , 2018, 42, 510-515.	1.9	22
45	The structure of mesoporous silica obtained by pseudomorphic transformation of SBA-15 and SBA-16. <i>Microporous and Mesoporous Materials</i> , 2018, 257, 232-240.	4.4	17
46	Increasing Photovoltaic Performance of an Organic Cationic Chromophore by Anion Exchange. <i>Advanced Science</i> , 2018, 5, 1700496.	11.2	13
47	Cyanine platelet single crystals: growth, crystal structure and optical spectra. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29166-29173.	2.8	5
48	Superweak Coordinating Anion as Superstrong Enhancer of Cyanine Organic Semiconductor Properties. <i>ChemPhysChem</i> , 2018, 19, 3356-3363.	2.1	7
49	Epitaxial Thin Films as a Model System for Li-Ion Conductivity in Li ₄ Ti ₅ O ₁₂ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44494-44500.	8.0	17
50	Tin(IV) Porphyrins Containing \hat{I}^2 -Substituted Bromines: Synthesis, Conformations, Electrochemistry and Photophysical Evaluation. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3868-3877.	2.0	8
51	Cellulose Nanocrystal Inks for 3D Printing of Textured Cellular Architectures. <i>Advanced Functional Materials</i> , 2017, 27, 1604619.	14.9	447
52	Low Temperature Epitaxial Barium Titanate Thin Film Growth in High Vacuum CVD. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700116.	3.7	14
53	Polymorphism and benzene solvent controlled stimuli responsive reversible fluorescence switching in triphenylphosphoniumfluorenylide crystals. <i>New Journal of Chemistry</i> , 2017, 41, 4592-4598.	2.8	12
54	<i>In situ</i> MEMS testing: correlation of high-resolution X-ray diffraction with mechanical experiments and finite element analysis. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 219-230.	6.1	7

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55	High diffusion barrier and piezoelectric nanocomposites based on polyvinylidene fluoride-trifluoroethylene copolymer and hydrophobized clay. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1828-1836.	2.1	1
56	<i>In-situ</i> kinetics study on the growth of expanded austenite in AISI 316L stainless steels by XRD. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	1
57	Synthetic polymers: WAXS and SAXS methods to understand materials functionality. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C613-C613.	0.1	0
58	Comparison of different phase retrieval algorithms. , 2017, , .		0
59	Mild synthesis of mercaptonitriles from vinyl nitriles and their cyclization reactions. <i>RSC Advances</i> , 2016, 6, 98059-98065.	3.6	3
60	Where is the limit? Yield strength improvement in silicon microstructures by surface treatments. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 102-107.	1.8	3
61	Elastic and Plastic Stress Relaxation in Highly Mismatched SiGe/Si Crystals. <i>MRS Advances</i> , 2016, 1, 3403-3408.	0.9	1
62	Silicon etch with chromium ions generated by a filtered or non-filtered cathodic arc discharge. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 20-28.	6.1	1
63	X-ray studies on polymers and composites: the combination of two-dimensional WAXS, SAXS and X-ray imaging techniques. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s139-s139.	0.1	0
64	Cathodic arc evaporation of oxide coatings: investigation of the phase transformation at the target surface and deposition of Al and Hf oxides. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s518-s519.	0.1	0
65	Strain relaxation of GaAs/Ge crystals on patterned Si substrates. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	21
66	Process influences on the structure, piezoelectric, and gas barrier properties of PVDF-TrFE copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 496-506.	2.1	61
67	High Piezoelectric Longitudinal Coefficients in Sol-gel PZT Thin Film Multilayers. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2069-2075.	3.8	10
68	Synthetic Strategies for the Synthesis and Transformation of Substituted Pyrrolinones as Advanced Intermediates for Rhazinilam Analogues. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7865-7877.	2.4	12
69	High aspect ratio, Large area silicon-based gratings for X-ray phase contrast imaging. , 2014, , .		4
70	Evaluation of silicon tuning fork resonators under mechanical loads and space-relevant radiation conditions. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2014, 13, 043019.	0.9	2
71	(Invited) Three-Dimensional Epitaxial Si _{1-x} Ge _x , Ge and SiC Crystals on Deeply Patterned Si Substrates. <i>ECS Transactions</i> , 2014, 64, 631-648.	0.5	14
72	Crystal structures of trans-dichloridotetrakis[1-(2,6-diisopropylphenyl)-1H-imidazole- ³ N ₃]iron(II), trans-dibromidotetrakis[1-(2,6-diisopropylphenyl)-1H-imidazole- ³ N ₃]iron(II), and trans-dibromidotetrakis[1-(2,6-diisopropylphenyl)-1H-imidazole- ³ N ₃]iron(II) diethyl ether disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, 72-76.	0.2	0

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73	<i>In situ</i> single-crystal to single-crystal (SCSC) transformation of the one-dimensional polymer catena-poly[[diaqua(sulfato)copper(II)] ^{1/2} -glycine] into the two-dimensional polymer poly[[^{1/2} -glycine- ^{1/4} -sulfato-copper(II)]. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 1057-1063.	0.5	4
74	Surface layer evolution caused by the bombardment with ionized metal vapor. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 332, 337-340.	1.4	4
75	X-ray source downscaling enabled by combining microfabricated electrodes with carbon nanotube cold electron emitters. <i>Microelectronic Engineering</i> , 2014, 122, 13-19.	2.4	12
76	Phase formation in cathodic arc synthesized Al ^{1/2} Hf and Al ^{1/2} Hf ^{1/2} O coatings during high temperature annealing in ambient air. <i>Surface and Coatings Technology</i> , 2014, 260, 56-62.	4.8	7
77	3D heteroepitaxy of mismatched semiconductors on silicon. <i>Thin Solid Films</i> , 2014, 557, 42-49.	1.8	18
78	Influence of mosaicity on the fracture behavior of sapphire. <i>Acta Materialia</i> , 2014, 67, 67-80.	7.9	33
79	Epitaxial Ge-crystal arrays for X-ray detection. <i>Journal of Instrumentation</i> , 2014, 9, C03019-C03019.	1.2	5
80	Evaluation of silicon tuning-fork resonators under space-relevant radiation conditions. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
81	Crystallographic Services and Technology Support for Industry. <i>Chimia</i> , 2014, 68, 14-18.	0.6	0
82	Improved test setup for MEMS mechanical strength investigations and fabrication process qualification. , 2014, , .		0
83	Mechanical properties of MEMS materials: reliability investigations by mechanical- and HRXRD-characterization related to environmental testing. , 2014, , .		0
84	Au-Sn SLID Bonding: A Reliable HT Interconnect and Die Attach Technology. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2013, 44, 406-413.	2.1	35
85	Laminate fibre structure characterisation of carbon fibre-reinforced polymers by X-ray scatter dark field imaging with a grating interferometer. <i>NDT and E International</i> , 2013, 58, 64-71.	3.7	74
86	A Pt(II) complex with both a phenanthroline and a tetrathiafulvalene-extended dithiolate ligand: Synthesis, crystal structure, electrochemical and spectroscopic properties. <i>Polyhedron</i> , 2013, 55, 87-91.	2.2	3
87	Factors controlling the incubation in the application of ps laser pulses on copper and iron surfaces. <i>Proceedings of SPIE</i> , 2013, , .	0.8	32
88	Making MEMS more suited for Space: assessing the proton-radiation tolerance of structural materials for microsystems in orbit. , 2013, , .		1
89	Proton-Radiation Tolerance of Silicon and SU-8 as Structural Materials for High-Reliability MEMS. <i>Journal of Microelectromechanical Systems</i> , 2013, 22, 1395-1402.	2.5	9
90	Integration of GaAs on Ge/Si towers by MOVPE. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1538, 283-289.	0.1	0

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91	Space-Filling Arrays of Three-Dimensional Epitaxial Ge and Si _{1-x} Ge _x Crystals. , 2012, , .		0
92	Three dimensional heteroepitaxy: A new path for monolithically integrating mismatched materials with silicon. , 2012, , .		1
93	Orientation-selective X-ray dark field imaging of ordered systems. Journal of Applied Physics, 2012, 112, .	2.5	46
94	(C ₅ H ₁₂ N)Cu ₂ Br ₃ : A Piperidinium Copper(I) Bromide with [Cu ₂ Br ₃] ²⁺ Ladders. Crystals, 2012, 2, 1434-1440.	2.2	1
95	Chelating C ₄ -Bound Imidazolylidene Complexes through Oxidative Addition of Imidazolium Salts to Palladium(0). European Journal of Inorganic Chemistry, 2012, 2012, 1394-1402.	2.0	40
96	Tetrathiafulvalene-annulated dipyrrolylquinoxaline: the effect of fluoride on its optical and electrochemical behaviors. Tetrahedron, 2012, 68, 1590-1594.	1.9	10
97	Synthesis, structures, redox and photophysical properties of benzodifuran-functionalised pyrene and anthracene fluorophores. Organic and Biomolecular Chemistry, 2011, 9, 6410.	2.8	26
98	Exploratory studies on coordination chemistry of a redox-active bridging ligand: synthesis, properties and solid state structures of the complexes. Dalton Transactions, 2011, 40, 8193.	3.3	11
99	Smooth C(alkyl)-H bond activation in rhodium complexes comprising abnormal carbene ligands. Dalton Transactions, 2011, 40, 9911.	3.3	35
100	Synthesis and self-assembly of spin-labile and redox-active manganese(III) complexes. Dalton Transactions, 2011, 40, 1855.	3.3	44
101	Probing Intermetallic Coupling in Dinuclear N-Heterocyclic Carbene Ruthenium(II) Complexes. Inorganic Chemistry, 2011, 50, 8188-8196.	4.0	47
102	Synthesis and Tunability of Abnormal 1,2,3-Triazolylidene Palladium and Rhodium Complexes. Organometallics, 2011, 30, 1021-1029.	2.3	127
103	X-Ray Strain Measurements In Strained Silicon Devices. AIP Conference Proceedings, 2011, , .	0.4	1
104	Catalytic Hydrogenation Using Abnormal N-Heterocyclic Carbene Palladium Complexes: Catalytic Scope and Mechanistic Insights. ChemCatChem, 2011, 3, 167-173.	3.7	21
105	Formation of Cubic Zirconia by Reactive Arc Evaporation in a Mixture of Nitrogen-Oxygen Reactive Gas. Advanced Engineering Materials, 2011, 13, 87-92.	3.5	1
106	Molecular Networks Based on Dative Boron-Nitrogen Bonds. Angewandte Chemie - International Edition, 2011, 50, 3034-3037.	13.8	107
107	Near infrared image sensor with integrated germanium photodiodes.. Journal of Applied Physics, 2011, 110, .	2.5	52
108	Reliability of MEMS. Proceedings of SPIE, 2011, , .	0.8	0

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109	Advanced Stress, Strain And Geometrical Analysis In Semiconductor Devices. AIP Conference Proceedings, 2010, , .	0.4	0
110	1,4-Bis(hexyloxy)-2,5-diiodobenzene. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o837-o838.	0.2	1
111	Combined testing for MEMS characterization. Procedia Engineering, 2010, 5, 878-881.	1.2	5
112	Solid on liquid deposition. Thin Solid Films, 2010, 518, 5061-5065.	1.8	29
113	Approaches to influence the microstructure and the properties of Al ^{III} -Cr ^{III} -O layers synthesized by cathodic arc evaporation. Surface and Coatings Technology, 2010, 204, 1722-1728.	4.8	33
114	Correlation between target surface and layer nucleation in the synthesis of Al ^{III} -Cr ^{III} -O coatings deposited by reactive cathodic arc evaporation. Surface and Coatings Technology, 2010, 205, 1356-1361.	4.8	42
115	Quality Control On Strained Semiconductor Devices. , 2010, , .		0
116	Versatile Strategy To Access Fully Functionalized Benzodifurans: Redox-Active Chromophores for the Construction of Extended π -Conjugated Materials. Journal of Organic Chemistry, 2010, 75, 3350-3357.	3.2	51
117	Heterocyclic amine directed synthesis of metal(ii)-oxalates: investigating the magnetic properties of two complete series of chains with $S = 5/2$ to $S = 1/2$. Dalton Transactions, 2010, 39, 4937.	3.3	52
118	Rhodium-mediated activation of an alkane-type C-H bond. Chemical Communications, 2010, 46, 315-317.	4.1	33
119	Excimer formation in crystalline and nanostructured coordination polymers. Chemical Communications, 2010, 46, 8282.	4.1	36
120	Crystal Engineering of a Series of Arylammonium Copper(II) Malonates. Crystal Growth and Design, 2010, 10, 1854-1859.	3.0	12
121	Si/SiGe quantum cascade superlattice designs for terahertz emission. Journal of Applied Physics, 2010, 107, 053109.	2.5	21
122	Si/SiGe Bound-to-Continuum Quantum Cascade Emitters. ECS Transactions, 2009, 16, 865-874.	0.5	4
123	The Role of Strain in New Semiconductor Devices. Advanced Engineering Materials, 2009, 11, 275-277.	3.5	9
124	Pronounced Electrochemical Amphotericity of a Fused Donor-Acceptor Compound: A Planar Merge of TTF with a TCNQ-type Bithienoquinoxaline. Chemistry - A European Journal, 2009, 15, 63-66.	3.3	58
125	Synthesis, Structural Diversity, and Ligand-Transfer Potential of (Carbene)copper(I) Complexes. Helvetica Chimica Acta, 2009, 92, 1034-1045.	1.6	79
126	Palladium Complexes Containing Potentially Chelating Pyridylidene-type Carbene Ligands. European Journal of Inorganic Chemistry, 2009, 2009, 1871-1881.	2.0	30

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127	Approaches to Fused Tetrathiafulvalene/Tetracyanoquinodimethane Systems. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 6341-6354.	2.4	10
128	Preparation of donor-acceptor substituted fluorostilbenes and crystal chemistry of fluorinated (E)-4-(4-halogeno-styryl)-benzonitriles. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 175-196.	1.7	13
129	Synthesis, spectra and crystal structures of zwitterionic mercury(II) complexes formed by the ligand, [Ph ₂ PCH ₂ PPh ₂ CH ₂ C(O)Ph] ⁺ . <i>Polyhedron</i> , 2009, 28, 1017-1021.	2.2	6
130	Mercury(II) complexes of stabilized phosphine-phosphonium ylide derived from bis(diphenylphosphino)methane: Synthesis, spectra and crystal structures. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 643-648.	1.8	34
131	Aging of MEMS - Correlation of Mechanical and Structural Properties. <i>Procedia Chemistry</i> , 2009, 1, 820-823.	0.7	6
132	Isolable Zwitterionic Pyridinio-semiquinone Radicals. Mild and Efficient Single-Step Access to Stable Radicals. <i>Organic Letters</i> , 2009, 11, 2261-2264.	4.6	8
133	Imidazole-Annulated Tetrathiafulvalenes Exhibiting Tuneable Intramolecular Charge Transfer and Redox Properties. <i>Chemistry - an Asian Journal</i> , 2009, 4, 392-399.	3.3	53
134	Preparation of Zwitterionic Hydroquinone-Fused [1,4]Oxazinium Derivatives via a Photoinduced Intramolecular Dehydrogenative-Coupling Reaction. <i>Organic Letters</i> , 2009, 11, 5530-5533.	4.6	11
135	Chelating NHC Ruthenium(II) Complexes as Robust Homogeneous Hydrogenation Catalysts. <i>Organometallics</i> , 2009, 28, 5112-5121.	2.3	123
136	Polarization-dependent absorption in Ge/SiGe multiple quantum wells: Theory and experiment. <i>Physical Review B</i> , 2009, 79, .	3.2	39
137	Main-chain organometallic polymers comprising redox-active iron(ii) centers connected by ditopic N-heterocyclic carbenes. <i>Dalton Transactions</i> , 2009, , 7168.	3.3	83
138	Diastereoselective preparation of Cu(i) and Ag(i) double helices by the use of chiral bis-bipyridine ligands. <i>New Journal of Chemistry</i> , 2009, 33, 462.	2.8	15
139	On the Electronic Impact of Abnormal C4-Bonding in N-Heterocyclic Carbene Complexes. <i>Chemistry - A European Journal</i> , 2009, 15, 9375-9386.	3.3	101
140	Three-dimensional bimetallic octacyanidometalates [MIV{(1/4-CN) ₄ MnII(H ₂ O) ₂ ·2H ₂ O}] _n (M = Nb, Mo, W): Synthesis, single-crystal X-ray diffraction and magnetism. <i>Comptes Rendus Chimie</i> , 2008, 11, 1192-1199.	0.9	64
141	Improved thermal stability of an organic zeolite by fluorination. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2008, 61, 127-130.	1.6	8
142	Reliability and failure in single crystal silicon MEMS devices. <i>Microelectronics Reliability</i> , 2008, 48, 1245-1247.	1.7	12
143	An efficient one-pot synthesis of strongly fluorescent (hetero)arenes polysubstituted with amino and cyano groups. <i>Tetrahedron</i> , 2008, 64, 9437-9441.	1.9	11
144	Coordination Chemistry of a -Extended, Rigid and Redox-Active Tetrathiafulvalene-Fused Schiff-Base Ligand. <i>Inorganic Chemistry</i> , 2008, 47, 3452-3459.	4.0	74

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145	Rhodium(III) Complexes Containing C4-Bound N-Heterocyclic Carbenes: Synthesis, Coordination Chemistry, and Catalytic Activity in Transfer Hydrogenation. <i>Organometallics</i> , 2008, 27, 3161-3171.	2.3	110
146	One-Dimensional Manganese Coordination Polymers Composed of Polynuclear Cluster Blocks and Polypyridyl Linkers: Structures and Properties. <i>Inorganic Chemistry</i> , 2008, 47, 11108-11119.	4.0	75
147	1,2,3-Triazolylidenes as Versatile Abnormal Carbene Ligands for Late Transition Metals. <i>Journal of the American Chemical Society</i> , 2008, 130, 13534-13535.	13.7	373
148	Palladation of diimidazolium salts at the C4 position: access to remarkably electron-rich palladium(ii) centers. <i>Dalton Transactions</i> , 2008, , 6242.	3.3	49
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256	Saturated and unsaturated triruthenium clusters containing three sterically demanding phosphine ligands: synthesis and structure of $[\text{Ru}_3(\text{CO})_9(\text{PCy}_3)_3]$ and $[\text{Ru}_3\text{H}_2(\text{CO})_6(\text{PCy}_3)_3]$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 515-516.	1.1	13
257	Saturated and unsaturated tetraruthenium clusters containing sterically demanding dicyclohexylphosphido ligands: synthesis and structure of $[\text{H}_4\text{Ru}_4(\text{CO})_8(\text{PCy}_2)_4]$ and $[\text{H}_5\text{Ru}_4(\text{CO})_8(\text{PCy}_2)_3]$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 2211-2214.	1.1	3
258	Triruthenium-iridium clusters containing alkyne ligands: synthesis, structure, and catalytic implications of $[(\eta^4\text{-H})\text{IrRu}_3(\text{CO})_{11}(\eta^3\text{-I}^2\text{-PhC}\equiv\text{CPh})]$ and $[\text{IrRu}_3(\text{CO})_{10}(\eta^4\text{-I}^2\text{-PhC}\equiv\text{CPh})(\eta^4\text{-I}^2\text{-PhC}\equiv\text{CPh})]$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 3825-3832.	1.1	1
259	Mono-, di- and tetra-nuclear p-cymeneruthenium complexes containing oxalato ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 4345-4350.	1.1	160
260	Synthesis and X-ray Powder Structures of Nickel(II) and Copper(II) Coordination Polymers with 2,5-Bis(2-pyridyl)pyrazine. <i>Inorganic Chemistry</i> , 1997, 36, 3402-3409.	4.0	42
261	A New Copper(II) Coordination Polymer from the Methyl Ester of 2,3-Pyrazinedicarboxylic Acid: A Crystal Structure Determination from Laboratory X-ray Powder Diffraction Data. <i>Inorganic Chemistry</i> , 1997, 36, 5406-5408.	4.0	17
262	Synthesis, crystal structure and magnetic properties of the triply bridged one-dimensional polymers $[\text{Cu}_2(\text{ClO}_4)(\text{OAc})_2(\text{bppz})(\text{H}_2\text{O})_2](\text{ClO}_4)(\text{H}_2\text{O})_n$ and $[\text{Cu}_2(\text{OBz})_3(\text{bppz})](\text{ClO}_4)(\text{H}_2\text{O})_{2n}$; $\text{bppz}=2,5\text{-bis}(2\text{-pyridyl})\text{pyrazine}$. <i>Inorganica Chimica Acta</i> , 1997, 260, 189-198.	2.4	17
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264	1,4-Diazabuta-1,3-dien-N-Sulfinylamin-Nickel(0)-Komplexe. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1994, 620, 926-930.	1.2	1
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