

Eugenio Coronado

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3280787/eugenio-coronado-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

646
papers

33,129
citations

90
h-index

154
g-index

708
ext. papers

35,494
ext. citations

7.8
avg, IF

7.61
L-index

#	Paper	IF	Citations
646	Strain Switching in van der Waals Heterostructures triggered by a Spin-Crossover Metal Organic Framework.. <i>Advanced Materials</i> , 2022 , e2110027	24	3
645	Nanomechanical probing and strain tuning of the Curie temperature in suspended Cr ₂ Ge ₂ Te ₆ -based heterostructures. <i>Npj 2D Materials and Applications</i> , 2022 , 6,	8.8	2
644	Proximity Effects on the Charge Density Wave Order and Superconductivity in Single-Layer NbSe. <i>ACS Nano</i> , 2021 ,	16.7	3
643	Molecular stabilization of chemically exfoliated bare MnPS layers. <i>Dalton Transactions</i> , 2021 , 50, 16281-16289	16.3	0
642	Spin-crossover nanoparticles anchored on MoS layers for heterostructures with tunable strain driven by thermal or light-induced spin switching. <i>Nature Chemistry</i> , 2021 , 13, 1101-1109	17.6	12
641	Chemical Design and Magnetic Ordering in Thin Layers of 2D Metal-Organic Frameworks (MOFs). <i>Journal of the American Chemical Society</i> , 2021 , 143, 18502-18510	16.4	4
640	Attosecond state-resolved carrier motion in quantum materials probed by soft x-ray XANES. <i>Applied Physics Reviews</i> , 2021 , 8, 011408	17.3	9
639	Van Der Waals Heterostructures Based on Atomically-Thin Superconductors. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000987	6.4	6
638	Exploiting Reaction-Diffusion Conditions to Trigger Pathway Complexity in the Growth of a MOF. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15920-15927	16.4	7
637	Exploiting Reaction-Diffusion Conditions to Trigger Pathway Complexity in the Growth of a MOF. <i>Angewandte Chemie</i> , 2021 , 133, 16056-16063	3.6	
636	Study of charge density waves in suspended 2H-TaS ₂ and 2H-TaSe ₂ by nanomechanical resonance. <i>Applied Physics Letters</i> , 2021 , 118, 193105	3.4	2
635	Controlling the anisotropy of a van der Waals antiferromagnet with light. <i>Science Advances</i> , 2021 , 7,	14.3	13
634	Near Isotropic Spin Qubits as Nodes of a Gd(III)-Based Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2021 , 60, 8575-8580	5.1	1
633	Quantum phases and spin liquid properties of 1T-TaS ₂ . <i>Npj Quantum Materials</i> , 2021 , 6,	5	4
632	The Missing Link in the Magnetism of Hybrid Cobalt Layered Hydroxides: The Odd-Even Effect of the Organic Spacer. <i>Chemistry - A European Journal</i> , 2021 , 27, 921-927	4.8	2
631	Functionalisation of MoS ₂ 2D layers with diarylethene molecules. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10975-10984	7.1	4
630	Insertion of single-ion magnets based on mononuclear Co(II) complexes into ferromagnetic oxalate-based networks. <i>Dalton Transactions</i> , 2021 , 50, 5931-5942	4.3	1

629	Plasmon-assisted spin transition in gold nanostar@spin crossover heterostructures.. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10811-10818	7.1	4
628	Insights on the coupling between vibronically active molecular vibrations and lattice phonons in molecular nanomagnets. <i>Dalton Transactions</i> , 2021 , 50, 11071-11076	4.3	1
627	Ultra-broad spectral photo-response in FePS3 air-stable devices. <i>Npj 2D Materials and Applications</i> , 2021 , 5,	8.8	12
626	Thermal- and photo-induced spin crossover in the 1D coordination polymer [Fe(4-tBupy)3][Au(CN)2]2 (4-tBupy = 4-tert-butylpyridine). <i>Journal of Applied Physics</i> , 2021 , 129, 123903	2.5	1
625	Out-of-Plane Transport of 1T-TaS/Graphene-Based van der Waals Heterostructures. <i>ACS Nano</i> , 2021 , 15, 11898-11907	16.7	7
624	Improving the onset potential and Tafel slope determination of earth-abundant water oxidation electrocatalysts. <i>Electrochimica Acta</i> , 2021 , 388, 138613	6.7	7
623	Coherent coupling between vortex bound states and magnetic impurities in 2D layered superconductors. <i>Nature Communications</i> , 2021 , 12, 4668	17.4	1
622	Binding Sites, Vibrations and Spin-Lattice Relaxation Times in Europium(II)-Based Metallofullerene Spin Qubits. <i>Chemistry - A European Journal</i> , 2021 , 27, 13242-13248	4.8	1
621	Spectroscopic Analysis of Vibronic Relaxation Pathways in Molecular Spin Qubit [Ho(WO)]: Sparse Spectra Are Key. <i>Inorganic Chemistry</i> , 2021 , 60, 14096-14104	5.1	5
620	The design of magneto-plasmonic nanostructures formed by magnetic Prussian Blue-type nanocrystals decorated with Au nanoparticles. <i>Chemical Communications</i> , 2021 , 57, 1903-1906	5.8	3
619	Enhancing the electrocatalytic activity and stability of Prussian blue analogues by increasing their electroactive sites through the introduction of Au nanoparticles. <i>Nanoscale</i> , 2021 , 13, 12676-12686	7.7	2
618	Magnetic and electronic phase transitions probed by nanomechanical resonators. <i>Nature Communications</i> , 2020 , 11, 2698	17.4	33
617	2D magnetic MOFs with micron-lateral size by liquid exfoliation. <i>Chemical Communications</i> , 2020 , 56, 7657-7660	5.8	13
616	Modelling the properties of magnetic clusters with complex structures: how symmetry can help us. <i>International Reviews in Physical Chemistry</i> , 2020 , 39, 217-265	7	5
615	Exploiting clock transitions for the chemical design of resilient molecular spin qubits. <i>Chemical Science</i> , 2020 , 11, 10718-10728	9.4	12
614	Fundamental Insights into the Covalent Silane Functionalization of NiFe Layered Double Hydroxides. <i>Chemistry - A European Journal</i> , 2020 , 26, 6504-6517	4.8	5
613	Boosting the Supercapacitive Behavior of CoAl Layered Double Hydroxides via Tuning the Metal Composition and Interlayer Space. <i>Batteries and Supercaps</i> , 2020 , 3, 499-509	5.6	10
612	O-Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixed-Valence Complexes. <i>Angewandte Chemie</i> , 2020 , 132, 4135-4143	3.6	7

611	Design of high-temperature -block molecular nanomagnets through the control of vibration-induced spin relaxation. <i>Chemical Science</i> , 2020 , 11, 1593-1598	9.4	15
610	O-Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixed-Valence Complexes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4106-4114	16.4	15
609	Layered double hydroxide nanocomposites based on carbon nanoforms 2020 , 411-460		2
608	Molecular magnetism: from chemical design to spin control in molecules, materials and devices. <i>Nature Reviews Materials</i> , 2020 , 5, 87-104	73.3	282
607	Low-Frequency Imaginary Impedance at the Superconducting Transition of 2H-NbSe ₂ . <i>Physical Review Applied</i> , 2020 , 13,	4.3	1
606	The Role of Covalent Functionalization in the Thermal Stability and Decomposition of Hybrid Layered Hydroxides. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 2000380	2.5	2
605	Insights into the formation of metal carbon nanocomposites for energy storage using hybrid NiFe layered double hydroxides as precursors. <i>Chemical Science</i> , 2020 , 11, 7626-7633	9.4	3
604	Hexakis-adducts of [60]fullerene as molecular scaffolds of polynuclear spin-crossover molecules. <i>Chemical Science</i> , 2020 , 12, 757-766	9.4	3
603	WS /MoS Heterostructures through Thermal Treatment of MoS Layers Electrostatically Functionalized with W S Molecular Clusters. <i>Chemistry - A European Journal</i> , 2020 , 26, 6670-6678	4.8	4
602	Heteroleptic Iron(II) Spin-Crossover Complexes Based on a 2,6-Bis(pyrazol-1-yl)pyridine-type Ligand Functionalized with a Carboxylic Acid. <i>Inorganic Chemistry</i> , 2019 , 58, 12199-12208	5.1	6
601	Exploring the High-Temperature Frontier in Molecular Nanomagnets: From Lanthanides to Actinides. <i>Inorganic Chemistry</i> , 2019 , 58, 11883-11892	5.1	24
600	Spin-crossover iron(ii) complex showing thermal hysteresis around room temperature with symmetry breaking and an unusually high T(LIESST) of 120 K. <i>Chemical Communications</i> , 2019 , 55, 12227-12230 ¹⁶	5.8	16
599	Photoinduced effects on the magnetic properties of the (Fe _{0.2} Cr _{0.8}) _{1.5} [Cr(CN) ₆] Prussian blue analogue. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2305-2317	7.1	4
598	Liquid phase exfoliation of carbonate-intercalated layered double hydroxides. <i>Chemical Communications</i> , 2019 , 55, 3315-3318	5.8	30
597	Vibronic Model for Intercommunication of Localized Spins via Itinerant Electron. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 5746-5760	3.8	3
596	Downsizing of robust Fe-triazole@SiO spin-crossover nanoparticles with ultrathin shells. <i>Dalton Transactions</i> , 2019 , 48, 15465-15469	4.3	10
595	Fe(II) spin crossover complexes of a derivative of 2,6-bis(pyrazol-1-yl)pyridine (1-bpp) functionalized with a carboxylic acid in the 3-pyridyl position. <i>Polyhedron</i> , 2019 , 170, 95-100	2.7	2
594	Ground-State Spin Blockade in a Single-Molecule Junction. <i>Physical Review Letters</i> , 2019 , 122, 197701	7.4	20

593	Giant Enhancement in the Supercapacitance of NiFe-Graphene Nanocomposites Induced by a Magnetic Field. <i>Advanced Materials</i> , 2019 , 31, e1900189	24	13
592	Design of Bistable Gold@Spin-Crossover Core-Shell Nanoparticles Showing Large Electrical Responses for the Spin Switching. <i>Advanced Materials</i> , 2019 , 31, e1900039	24	30
591	Molecular spins for quantum computation. <i>Nature Chemistry</i> , 2019 , 11, 301-309	17.6	259
590	Sensing of the Molecular Spin in Spin-Crossover Nanoparticles with Micromechanical Resonators. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6778-6786	3.8	10
589	Pressure-Induced Collapse of the Charge Density Wave and Higgs Mode Visibility in 2H-TaS ₂ . <i>Physical Review Letters</i> , 2019 , 122, 127001	7.4	31
588	Decoherence from dipolar interspin interactions in molecular spin qubits. <i>Physical Review B</i> , 2019 , 100,	3.3	9
587	Experimental determination of single molecule toric behaviour in a Dy single molecule magnet. <i>Nanoscale</i> , 2019 , 11, 15131-15138	7.7	8
586	Influence of the Interlayer Space on the Water Oxidation Performance in a Family of Surfactant-Intercalated NiFe-Layered Double Hydroxides. <i>Chemistry of Materials</i> , 2019 , 31, 6798-6807	9.6	36
585	Electronic, Structural and Functional Versatility in Tetrathiafulvalene-Lanthanide Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2019 , 25, 12636-12643	4.8	24
584	Effect of nanostructuration on the spin crossover transition in crystalline ultrathin films. <i>Chemical Science</i> , 2019 , 10, 4038-4047	9.4	22
583	Enhancing Light Emission in Interface Engineered Spin-OLEDs through Spin-Polarized Injection at High Voltages. <i>Advanced Materials</i> , 2019 , 31, e1806817	24	22
582	Hybrid Interfaces in Molecular Spintronics. <i>Chemical Record</i> , 2018 , 18, 737-748	6.6	16
581	Spin states, vibrations and spin relaxation in molecular nanomagnets and spin qubits: a critical perspective. <i>Chemical Science</i> , 2018 , 9, 3265-3275	9.4	140
580	Spin dynamics in the single-ion magnet [Er(W5O18)2]9. <i>Physical Review B</i> , 2018 , 97,	3.3	6
579	Bottom-Up Fabrication of Semiconductive Metal-Organic Framework Ultrathin Films. <i>Advanced Materials</i> , 2018 , 30, 1704291	24	117
578	Deciphering the Role of Dipolar Interactions in Magnetic Layered Double Hydroxides. <i>Inorganic Chemistry</i> , 2018 , 57, 2013-2022	5.1	15
577	Iron(II) complex of 2-(1H-pyrazol-1-yl)pyridine-4-carboxylic acid (ppCOOH) suitable for surface deposition. <i>Journal of Coordination Chemistry</i> , 2018 , 71, 763-775	1.6	6
576	Prussian Blue@MoS ₂ Layer Composites as Highly Efficient Cathodes for Sodium- and Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1706125	15.6	68

575	Influence of morphology in the magnetic properties of layered double hydroxides. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1187-1198	7.1	17
574	Interface-Assisted Sign Inversion of Magnetoresistance in Spin Valves Based on Novel Lanthanide Quinoline Molecules. <i>Advanced Functional Materials</i> , 2018 , 28, 1702099	15.6	26
573	Sublimable chloroquinolate lanthanoid single-ion magnets deposited on ferromagnetic electrodes. <i>Chemical Science</i> , 2018 , 9, 199-208	9.4	16
572	Spinning on the edge of graphene. <i>Nature</i> , 2018 , 557, 645-647	50.4	7
571	Peptides as Versatile Platforms for Quantum Computing. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4522-4526	6.4	14
570	Two Consecutive Magneto-Structural Gas-Solid Transformations in Non-Porous Molecular Materials. <i>Chemistry - A European Journal</i> , 2018 , 24, 12426-12432	4.8	13
569	Magnetic ordering in an (Fe _{0.2} Cr _{0.8}) _{1.5} [Cr(CN) ₆] Prussian blue analogue studied with synchrotron radiation based spectroscopies. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8171-8186	7.1	5
568	Large Magnetic Polyoxometalates Containing the Cobalt Cubane '[CoCo(OH)(HO)(PWO)] ₃ ' (= 3 or 5) as a Subunit. <i>Frontiers in Chemistry</i> , 2018 , 6, 231	5	9
567	Field-induced slow relaxation of magnetization in a mononuclear Co(II) complex of 2,6-bis(pyrazol-1-yl)pyridine functionalized with a carboxylic acid. <i>Polyhedron</i> , 2018 , 150, 54-60	2.7	10
566	Isorecticular two-dimensional magnetic coordination polymers prepared through pre-synthetic ligand functionalization. <i>Nature Chemistry</i> , 2018 , 10, 1001-1007	17.6	70
565	Iron(II) complexes of tris(2-pyridylmethyl)amine (TPMA) and neutral bidentate ligands showing thermal- and photo-induced spin crossover. <i>Dalton Transactions</i> , 2018 , 47, 9156-9163	4.3	4
564	Quantum Cellular Automata: a Short Overview of Molecular Problem. <i>Acta Physica Polonica A</i> , 2018 , 133, 329-335	0.6	7
563	Magnetic functionalities in MOFs: from the framework to the pore. <i>Chemical Society Reviews</i> , 2018 , 47, 533-557	58.5	432
562	Spin-crossover compounds based on iron(II) complexes of 2,6-bis(pyrazol-1-yl)pyridine (bpp) functionalized with carboxylic acid and ethyl carboxylic acid. <i>Dalton Transactions</i> , 2018 , 47, 16958-16968	4.3	17
561	Sublimable Single Ion Magnets Based on Lanthanoid Quinolate Complexes: The Role of Intermolecular Interactions on Their Thermal Stability. <i>Inorganic Chemistry</i> , 2018 , 57, 14170-14177	5.1	11
560	Spontaneous growth of 2D coordination polymers on functionalized ferromagnetic surfaces. <i>Chemical Science</i> , 2018 , 9, 8819-8828	9.4	4
559	Charge Mobility and Dynamics in Spin-Crossover Nanoparticles Studied by Time-Resolved Microwave Conductivity. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 5672-5678	6.4	9
558	Electrically switchable magnetic exchange in the vibronic model of linear mixed valence triferrocenium complex. <i>Dalton Transactions</i> , 2018 , 47, 11788-11805	4.3	3

557	Design of Molecular Spintronics Devices Containing Molybdenum Oxide as Hole Injection Layer. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600366	6.4	5
556	Photomagnetic properties of an Fe(II) spin-crossover complex of 6-(3,5-diamino-2,4,6-triazinyl)-2,2'-bipyridine and its insertion into 2D and 3D bimetallic oxalate-based networks. <i>Dalton Transactions</i> , 2017 , 46, 2680-2689	4.3	8
555	Coherent manipulation of three-qubit states in a molecular single-ion magnet. <i>Physical Review B</i> , 2017 , 95,	3.3	58
554	Gas confinement in compartmentalized coordination polymers for highly selective sorption. <i>Chemical Science</i> , 2017 , 8, 3109-3120	9.4	11
553	Custom Coordination Environments for Lanthanoids: Tripodal Ligands Achieve Near-Perfect Octahedral Coordination for Two Dysprosium-Based Molecular Nanomagnets. <i>Inorganic Chemistry</i> , 2017 , 56, 4911-4917	5.1	14
552	Design of Magnetic Polyoxometalates for Molecular Spintronics and as Spin Qubits. <i>Advances in Inorganic Chemistry</i> , 2017 , 69, 213-249	2.1	19
551	Jahn-Teller effect in molecular electronics: quantum cellular automata. <i>Journal of Physics: Conference Series</i> , 2017 , 833, 012002	0.3	2
550	Determining Key Local Vibrations in the Relaxation of Molecular Spin Qubits and Single-Molecule Magnets. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 1695-1700	6.4	93
549	Phase Transitions in Spin-Crossover Thin Films Probed by Graphene Transport Measurements. <i>Nano Letters</i> , 2017 , 17, 186-193	11.5	69
548	Influence of Proton Conducting Cations on the Structure and Properties of 2D Anilate-Based Magnets. <i>Inorganic Chemistry</i> , 2017 , 56, 13865-13877	5.1	14
547	Electric field controllable magnetic coupling of localized spins mediated by itinerant electrons: a toy model. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 26098-26106	3.6	8
546	Electric Field Generation and Control of Bipartite Quantum Entanglement between Electronic Spins in Mixed Valence Polyoxovanadate [GeVO]. <i>Inorganic Chemistry</i> , 2017 , 56, 9547-9554	5.1	10
545	Force-free state in a superconducting single crystal and angle-dependent vortex helical instability. <i>Physical Review B</i> , 2017 , 95,	3.3	2
544	Metal-functionalized covalent organic frameworks as precursors of supercapacitive porous N-doped graphene. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4343-4351	13	71
543	Light-induced decarboxylation in a photo-responsive iron-containing complex based on polyoxometalate and oxalato ligands. <i>Chemical Science</i> , 2017 , 8, 305-315	9.4	21
542	Rational Design of Lanthanoid Single-Ion Magnets: Predictive Power of the Theoretical Models. <i>Chemistry - A European Journal</i> , 2016 , 22, 13532-9	4.8	22
541	Single ion magnets based on lanthanoid polyoxomolybdate complexes. <i>Dalton Transactions</i> , 2016 , 45, 16653-16660	4.3	32
540	Nonanuclear Spin-Crossover Complex Containing Iron(II) and Iron(III) Based on a 2,6-Bis(pyrazol-1-yl)pyridine Ligand Functionalized with a Carboxylate Group. <i>Inorganic Chemistry</i> , 2016 , 55, 9361-7	5.1	25

- 539 Strong enhancement of superconductivity at high pressures within the charge-density-wave states of 2H-TaS_2 and 2H-TaSe_2 . *Physical Review B*, **2016**, 93, 3.3 66
- 538 Tunable crossover between one- and three-dimensional magnetic dynamics in CoII single-chain magnets organized by halogen bonding. *Physical Review B*, **2016**, 93, 3.3 12
- 537 Mixed-Valence Molecular Unit for Quantum Cellular Automata: Beyond the Born-Oppenheimer Paradigm through the Symmetry-Assisted Vibronic Approach. *Journal of Chemical Theory and Computation*, **2016**, 12, 3545-60 6.4 17
- 536 A decacobalt(ii) cluster with triple-sandwich structure obtained by partial reductive hydrolysis of a pentacobalt(ii/iii) Weakley-type polyoxometalate. *Chemical Communications*, **2016**, 52, 13245-13248 5.8 8
- 535 Enhanced superconductivity in atomically thin TaS_2 . *Nature Communications*, **2016**, 7, 11043 17.4 200
- 534 Near Room-Temperature Memory Devices Based on Hybrid Spin-Crossover@ SiO_2 Nanoparticles Coupled to Single-Layer Graphene Nanoelectrodes. *Advanced Materials*, **2016**, 28, 7228-33 24 59
- 533 Isostructural compartmentalized spin-crossover coordination polymers for gas confinement. *Inorganic Chemistry Frontiers*, **2016**, 3, 808-813 6.8 8
- 532 Enhancing coherence in molecular spin qubits via atomic clock transitions. *Nature*, **2016**, 531, 348-51 50.4 348
- 531 Alkoxide-intercalated NiFe-layered double hydroxides magnetic nanosheets as efficient water oxidation electrocatalysts. *Inorganic Chemistry Frontiers*, **2016**, 3, 478-487 6.8 48
- 530 High-Quality Metal-Organic Framework Ultrathin Films for Electronically Active Interfaces. *Journal of the American Chemical Society*, **2016**, 138, 2576-84 16.4 49
- 529 Graphene enhances the magnetoresistance of FeNi_3 nanoparticles in hierarchical FeNi_3 /graphene nanocomposites. *Journal of Materials Chemistry C*, **2016**, 4, 2252-2258 7.1 14
- 528 Switching the Magnetic Vortex Core in a Single Nanoparticle. *ACS Nano*, **2016**, 10, 1764-70 16.7 23
- 527 Cobalt Clusters with Cubane-Type Topologies Based on Trivacant Polyoxometalate Ligands. *Inorganic Chemistry*, **2016**, 55, 925-38 5.1 30
- 526 CVD synthesis of carbon spheres using NiFe-LDHs as catalytic precursors: structural, electrochemical and magnetoresistive properties. *Journal of Materials Chemistry C*, **2016**, 4, 440-448 7.1 20
- 525 Local Oxidation Nanolithography on Metallic Transition Metal Dichalcogenides Surfaces. *Applied Sciences (Switzerland)*, **2016**, 6, 250 2.6 11
- 524 Single-Crystal-to-Single-Crystal Anion Exchange in a Gadolinium MOF: Incorporation of POMs and $[\text{AuCl}]$. *Polymers*, **2016**, 8, 4.5 5
- 523 Spin Switching in Molecular Quantum Cellular Automata Based on Mixed-Valence Tetrameric Units. *Journal of Physical Chemistry C*, **2016**, 120, 16994-17005 3.8 20
- 522 SIMPRE1.2: Considering the hyperfine and quadrupolar couplings and the nuclear spin bath decoherence. *Journal of Computational Chemistry*, **2016**, 37, 1238-44 3.5 10

521	Insertion of a [FeII(pyimH)3]2+ [pyimH = 2-(1H-Imidazol-2-yl)pyridine] Spin-Crossover Complex Inside a Ferromagnetic Lattice Based on a Chiral 3D Bimetallic Oxidate Network. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 2187-2192	2.3	12
520	Photophysical Properties of Oligo[phenylene ethynylene] Iridium(III) Complexes Functionalized with Metal-Anchoring Groups. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1851-1859	2.3	3
519	Switching of Slow Magnetic Relaxation Dynamics in Mononuclear Dysprosium(III) Compounds with Charge Density. <i>Inorganic Chemistry</i> , 2016 , 55, 5398-404	5.1	16
518	Small-pore driven high capacitance in a hierarchical carbon via carbonization of Ni-MOF-74 at low temperatures. <i>Chemical Communications</i> , 2016 , 52, 9141-4	5.8	45
517	Spin-crossover complex encapsulation within a magnetic metal-organic framework. <i>Chemical Communications</i> , 2016 , 52, 7360-3	5.8	33
516	Field dependence of the vortex core size probed by scanning tunneling microscopy. <i>Physical Review B</i> , 2016 , 94,	3.3	23
515	Electrically switchable magnetic molecules: inducing a magnetic coupling by means of an external electric field in a mixed-valence polyoxovanadate cluster. <i>Chemistry - A European Journal</i> , 2015 , 21, 763-9	4.8	36
514	Intramolecular Proton Transfer Boosts Water Oxidation Catalyzed by a Ru Complex. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10786-95	16.4	199
513	Layered gadolinium hydroxides for low-temperature magnetic cooling. <i>Chemical Communications</i> , 2015 , 51, 14207-10	5.8	28
512	Current rectification in a single molecule diode: the role of electrode coupling. <i>Nanotechnology</i> , 2015 , 26, 291001	3.4	38
511	Does the thermal evolution of molecular structures critically affect the magnetic anisotropy?. <i>Chemical Science</i> , 2015 , 6, 4587-4593	9.4	57
510	Self-assembled monolayers on a ferromagnetic permalloy surface. <i>Langmuir</i> , 2015 , 31, 5311-8	4	7
509	Electric Field Control of Spin-Dependent Dissipative Electron Transfer Dynamics in Mixed-Valence Molecules. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7911-7921	3.8	9
508	Stimuli-responsive hybrid materials: breathing in magnetic layered double hydroxides induced by a thermoresponsive molecule. <i>Chemical Science</i> , 2015 , 6, 1949-1958	9.4	34
507	Mononuclear Lanthanide Complexes: Use of the Crystal Field Theory to Design Single-Ion Magnets and Spin Qubits 2015 , 27-60		4
506	Exchange coupling in an electrodeposited magnetic bilayer of Prussian blue analogues. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11122-11128	7.1	11
505	Solvent-Free Synthesis of a Pillared Three-Dimensional Coordination Polymer with Magnetic Ordering. <i>Inorganic Chemistry</i> , 2015 , 54, 10490-6	5.1	18
504	Molecular spin qubits based on lanthanide ions encapsulated in cubic polyoxopalladates: design criteria to enhance quantum coherence. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 893-897	6.8	21

503	High-quality-factor tantalum oxide nanomechanical resonators by laser oxidation of TaSe ₂ . <i>Nano Research</i> , 2015 , 8, 2842-2849	10	24
502	A Mononuclear Uranium(IV) Single-Molecule Magnet with an Azobenzene Radical Ligand. <i>Chemistry - A European Journal</i> , 2015 , 21, 17817-26	4.8	25
501	Self-assembly mechanism of nanoparticles of Ni-based Prussian Blue analogues at the air/liquid interface: a synchrotron X-ray reflectivity study. <i>ChemPhysChem</i> , 2015 , 16, 2549-55	3.2	2
500	Spin-Polarized Hopping Transport in Magnetically Tunable Rare-Earth Quinolines. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500065	6.4	12
499	Mixed-valence molecular four-dot unit for quantum cellular automata: Vibronic self-trapping and cell-cell response. <i>Journal of Chemical Physics</i> , 2015 , 143, 134307	3.9	27
498	Modeling the magnetic properties of lanthanide complexes: relationship of the REC parameters with Pauling electronegativity and coordination number. <i>Dalton Transactions</i> , 2015 , 44, 12535-8	4.3	21
497	Graphene related magnetic materials: micromechanical exfoliation of 2D layered magnets based on bimetallic anilate complexes with inserted [Fe(acac-trien)] and [Fe(sal-trien)] molecules. <i>Chemical Science</i> , 2015 , 6, 4665-4673	9.4	97
496	Unravelling the chemical design of spin-crossover nanoparticles based on iron(ii)-triazole coordination polymers: towards a control of the spin transition. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7946-7953	7.1	60
495	Hybrid Materials Based on Magnetic Layered Double Hydroxides: A Molecular Perspective. <i>Accounts of Chemical Research</i> , 2015 , 48, 1601-11	24.3	113
494	Bimetallic MnIII/FeII hybrid complexes formed by a functionalized MnIII Anderson polyoxometalate coordinated to FeII: observation of a field-induced slow relaxation of magnetization in the MnIII centres and a photoinduced spin-crossover in the FeII centres. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7936-7945	7.1	21
493	Magnetic properties of the layered lanthanide hydroxide series Y(x)Dy(8-x)(OH) ₂₀ Cl ₄ ·4H ₂ O: from single ion magnets to 2D and 3D interaction effects. <i>Inorganic Chemistry</i> , 2015 , 54, 1949-57	5.1	23
492	Imaging the Magnetic Reversal of Isolated and Organized Molecular-Based Nanoparticles using Magnetic Force Microscopy. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 693-700	3.1	13
491	Spin switching in electronic devices based on 2D assemblies of spin-crossover nanoparticles. <i>Advanced Materials</i> , 2015 , 27, 1288-93	24	85
490	Self-Assembly of 1D/2D Hybrid Nanostructures Consisting of a Cd(II) Coordination Polymer and NiAl-Layered Double Hydroxides. <i>Polymers</i> , 2015 , 8,	4.5	10
489	Silica supported Fe ₃ O ₄ magnetic nanoparticles for magnetic solid-phase extraction and magnetic in-tube solid-phase microextraction: application to organophosphorous compounds. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 2211-5	4.4	55
488	Metallic Charge-Transfer Salts of Bis(ethylenedithio)tetrathiafulvalene with Paramagnetic Tetrachloro(oxalato)rhenate(IV) and Tris(chloranilato)ferrate(III) Anions. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3949-3959	2.3	17
487	A mixed-ligand approach for spin-crossover modulation in a linear Fe(II) coordination polymer. <i>Inorganic Chemistry</i> , 2014 , 53, 4482-90	5.1	11
486	Alkoxide-intercalated CoFe-layered double hydroxides as precursors of colloidal nanosheet suspensions: structural, magnetic and electrochemical properties. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3723-3731	7.1	99

485	In-Situ Growth of Ultrathin Films of NiFe-LDHs: Towards a Hierarchical Synthesis of Bamboo-Like Carbon Nanotubes. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400184	4.6	33
484	A SIM-MOF: three-dimensional organisation of single-ion magnets with anion-exchange capabilities. <i>Chemistry - A European Journal</i> , 2014 , 20, 10695-702	4.8	95
483	Fast pirouetting motion in a pyridine bisamine-containing copper-complexed rotaxane. <i>Chemistry - A European Journal</i> , 2014 , 20, 6939-50	4.8	15
482	White light-emitting electrochemical cells based on the Langmuir-Blodgett technique. <i>Langmuir</i> , 2014 , 30, 14021-9	4	21
481	Confined growth of carbon nanoforms in one-dimension by fusion of anthracene rings inside the pores of MCM-41. <i>Nanoscale</i> , 2014 , 6, 7981-90	7.7	5
480	One-dimensional and two-dimensional anilate-based magnets with inserted spin-crossover complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 12014-26	5.1	42
479	Structural re-arrangement in two hexanuclear CuII complexes: from a spin frustrated trigonal prism to a strongly coupled antiferromagnetic soluble ring complex with a porous tubular structure. <i>Chemical Science</i> , 2014 , 5, 324-332	9.4	31
478	Molecular anisotropy analysis of single-ion magnets using an effective electrostatic model. <i>Inorganic Chemistry</i> , 2014 , 53, 11323-7	5.1	34
477	Insertion of a Single-Molecule Magnet inside a Ferromagnetic Lattice Based on a 3D Bimetallic Oxalate Network: Towards Molecular Analogues of Permanent Magnets. <i>Chemistry - A European Journal</i> , 2014 , 20, 1466-1466	4.8	1
476	An updated version of the computational package SIMPRE that uses the standard conventions for Stevens crystal field parameters. <i>Journal of Computational Chemistry</i> , 2014 , 35, 1930-4	3.5	28
475	Construction of a general library for the rational design of nanomagnets and spin qubits based on mononuclear f-block complexes. The polyoxometalate case. <i>Inorganic Chemistry</i> , 2014 , 53, 9976-80	5.1	67
474	Charge transfer interactions in self-assembled single walled carbon nanotubes/DawsonWells polyoxometalate hybrids. <i>Chemical Science</i> , 2014 , 5, 4346-4354	9.4	44
473	Synthesis of FeNi ₃ nanoparticles in benzyl alcohol and their electrical and magnetic properties. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 70, 292-299	2.3	6
472	Symmetry assisted consideration of the dynamic pseudo Jahn-Teller problem in mixed-valence species with square topology: Intervalence optical bands. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2014 , 116, 802-809	0.7	1
471	Electric field control of the optical properties in magnetic mixed-valence molecules. <i>Chemical Science</i> , 2014 , 5, 3598-3602	9.4	18
470	Zero-bias conductance peak in detached flakes of superconducting 2H-TaS ₂ probed by scanning tunneling spectroscopy. <i>Physical Review B</i> , 2014 , 89,	3.3	14
469	Tuning the nuclearity of iron(III) polynuclear clusters by using tetradentate Schiff-base ligands. <i>New Journal of Chemistry</i> , 2014 , 38, 2105-2113	3.6	12
468	Fast redox-triggered shuttling motions in a copper rotaxane based on a phenanthroline-terpyridine conjugate. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 7572-80	3.9	10

467	A spin-crossover complex based on a 2,6-bis(pyrazol-1-yl)pyridine (1-bpp) ligand functionalized with a carboxylate group. <i>Dalton Transactions</i> , 2014 , 43, 9406-9	4.3	32
466	A chemical and electrochemical multivalent memory made from FeNi ₃ -graphene nanocomposites. <i>Electrochemistry Communications</i> , 2014 , 39, 15-18	5.1	14
465	Photo-switching in a hybrid material made of magnetic layered double hydroxides intercalated with azobenzene molecules. <i>Advanced Materials</i> , 2014 , 26, 4156-62	24	44
464	Effect of metal complexation on the conductance of single-molecular wires measured at room temperature. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8314-22	16.4	38
463	Insertion of a single-molecule magnet inside a ferromagnetic lattice based on a 3D bimetallic oxalate network: towards molecular analogues of permanent magnets. <i>Chemistry - A European Journal</i> , 2014 , 20, 1669-76	4.8	45
462	Correction of the tip convolution effects in the imaging of nanostructures studied through scanning force microscopy. <i>Nanotechnology</i> , 2014 , 25, 395703	3.4	90
461	Controllable coverage of chemically modified graphene sheets with gold nanoparticles by thermal treatment of graphite oxide with N,N-dimethylformamide. <i>Carbon</i> , 2013 , 54, 201-207	10.4	22
460	Hybrid magnetic superconductors formed by TaS ₂ layers and spin crossover complexes. <i>Inorganic Chemistry</i> , 2013 , 52, 8451-60	5.1	16
459	Interplay between chemical composition and cation ordering in the magnetism of Ni/Fe layered double hydroxides. <i>Inorganic Chemistry</i> , 2013 , 52, 10147-57	5.1	42
458	Spin polarization in electrodeposited thin films of the molecule-based magnetic semiconductor Cr(5.5)(CN)(12)·1.5H(2)O. <i>Chemical Communications</i> , 2013 , 49, 10145-7	5.8	5
457	Modelling electric field control of the spin state in the mixed-valence polyoxometalate [GeV ₁₄ O ₄₀] ⁸⁻ . <i>Chemical Communications</i> , 2013 , 49, 9621-3	5.8	23
456	Modeling the magnetic properties and Mössbauer spectra of multifunctional magnetic materials obtained by insertion of a spin-crossover Fe(III) complex into bimetallic oxalate-based ferromagnets. <i>Inorganic Chemistry</i> , 2013 , 52, 13536-45	5.1	8
455	2D and 3D bimetallic oxalate-based ferromagnets prepared by insertion of Mn(III)-salen type complexes. <i>Dalton Transactions</i> , 2013 , 42, 5100-10	4.3	22
454	Two pyrazolylborate dysprosium(III) and neodymium(III) single ion magnets modeled by a Radial Effective Charge approach. <i>Polyhedron</i> , 2013 , 66, 39-42	2.7	20
453	Influence of the covalent grafting of organic radicals to graphene on its magnetoresistance. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4590	7.1	22
452	SIMPRES: a software package to calculate crystal field parameters, energy levels, and magnetic properties on mononuclear lanthanoid complexes based on charge distributions. <i>Journal of Computational Chemistry</i> , 2013 , 34, 1961-7	3.5	84
451	Nanofabrication of TaS ₂ conducting layers nanopatterned with Ta ₂ O ₅ insulating regions via AFM. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7692	7.1	8
450	A family of layered chiral porous magnets exhibiting tunable ordering temperatures. <i>Inorganic Chemistry</i> , 2013 , 52, 10031-40	5.1	90

449	Insertion of FeII complexes with Schiff base ligands derived from imidazole or pyridine into 3D bimetallic oxalate-based ferromagnets. <i>Polyhedron</i> , 2013 , 64, 142-150	2.7	13
448	MOKE magnetometry as a probe of surface magnetic impurities in electropolymerized magnetic thin films of the Prussian blue analogue Fe ₃ [Cr(CN) ₆] ₂ ·5 H ₂ O. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6981	7.1	10
447	Coherent manipulation of spin qubits based on polyoxometalates: the case of the single ion magnet [GdW ₃₀ P ₅₀ O ₁₁₀] ¹⁴⁻ . <i>Chemical Communications</i> , 2013 , 49, 8922-4	5.8	47
446	Modeling the properties of uranium-based single ion magnets. <i>Chemical Science</i> , 2013 , 4, 938-946	9.4	71
445	2D Bimetallic Oxalate-Based Ferromagnets with Inserted [Fe(4-Br-sal ²⁻ -trien)] ⁺ and [Fe(3-R-sal ²⁻ -trien)] ⁺ (R = Br, Cl and CH ₃ O) FeIII Spin-Crossover Complexes. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 753-762	2.3	18
444	Dynamic magnetic MOFs. <i>Chemical Society Reviews</i> , 2013 , 42, 1525-39	58.5	515
443	Influence of peripheral substitution on the magnetic behavior of single-ion magnets based on homo- and heteroleptic Tb(III) bis(phthalocyaninate). <i>Chemistry - A European Journal</i> , 2013 , 19, 1457-65	4.8	290
442	Spin-crossover modification through selective CO ₂ sorption. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15986-9	16.4	108
441	Scanning tunneling measurements of layers of superconducting 2H-TaSe ₂ : Evidence for a zero-bias anomaly in single layers. <i>Physical Review B</i> , 2013 , 87,	3.3	24
440	Fast and reliable identification of atomically thin layers of TaSe ₂ crystals. <i>Nano Research</i> , 2013 , 6, 191-199	5	53
439	Intercalation of cobalt(II)-tetraphenylporphine tetrasulfonate complex in magnetic NiFe-layered double hydroxide. <i>Polyhedron</i> , 2013 , 52, 216-221	2.7	26
438	Single-crystal EPR spectroscopy of a Co(II) single-chain magnet. <i>Polyhedron</i> , 2013 , 66, 218-221	2.7	8
437	Stimuli responsive hybrid magnets: tuning the photoinduced spin-crossover in Fe(III) complexes inserted into layered magnets. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8655-67	16.4	51
436	Room temperature magnetism in layered double hydroxides due to magnetic nanoparticles. <i>Inorganic Chemistry</i> , 2013 , 52, 7828-30	5.1	34
435	Illustrating the processability of magnetic layered double hydroxides: layer-by-layer assembly of magnetic ultrathin films. <i>Inorganic Chemistry</i> , 2013 , 52, 6214-22	5.1	15
434	Electronic and Vibronic Problems of Nanosized Mixed Valence Clusters: Advances and Challenges. <i>Journal of Physics: Conference Series</i> , 2013 , 428, 012037	0.3	0
433	MAGNETIC POLYOXOMETALATES. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2013 , 155-171	1	2
432	Dissipative electron transfer dynamics in mixed valence dimers: microscopic approach to the solid state problem. <i>Journal of Chemical Physics</i> , 2013 , 139, 044304	3.9	4

431	The Use of Polyoxometalates in the Design of Layer-Like Hybrid Salts Containing Cationic Mn ⁴⁺ Single-Molecule Magnets. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 1903-1909	2.3	6
430	Breathing effect in a cobalt phosphonate upon dehydration/rehydration: a single-crystal-to-single-crystal study. <i>Chemistry - A European Journal</i> , 2013 , 19, 16394-402	4.8	39
429	Magnetic Nanocomposites Formed by FeNi ₃ Nanoparticles Embedded in Graphene. Application as Supercapacitors. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 853-863	3.1	47
428	Electrostatic Anchoring of Mn ⁴⁺ Single-Molecule Magnets onto Chemically Modified Multiwalled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2012 , 22, 979-988	15.6	20
427	Dynamic magnetic materials based on the cationic coordination polymer [Cu(btix) ₂] _n (2n ⁺) [btix = 1,4-bis(triazol-1-ylmethyl)benzene]: tuning the structural and magnetic properties through anion exchange. <i>Inorganic Chemistry</i> , 2012 , 51, 12938-47	5.1	22
426	Gd-based single-ion magnets with tunable magnetic anisotropy: molecular design of spin qubits. <i>Physical Review Letters</i> , 2012 , 108, 247213	7.4	166
425	Modeling the properties of lanthanoid single-ion magnets using an effective point-charge approach. <i>Dalton Transactions</i> , 2012 , 41, 13705-10	4.3	119
424	Hybrid Magnetic Multilayers by Intercalation of Cu(II) Phthalocyanine in LDH Hosts. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 15756-15764	3.8	30
423	Rational design of single-ion magnets and spin qubits based on mononuclear lanthanoid complexes. <i>Inorganic Chemistry</i> , 2012 , 51, 12565-74	5.1	177
422	Magnetic polyoxometalates: from molecular magnetism to molecular spintronics and quantum computing. <i>Chemical Society Reviews</i> , 2012 , 41, 7464-78	58.5	551
421	Tailoring magnetic properties of electrodeposited thin films of the molecule-based magnet Cr _{5.5} (CN) ₁₂ · 11.5H ₂ O. <i>Nanoscale Research Letters</i> , 2012 , 7, 232	5	5
420	Molecular analog of multiferroics: Electric and magnetic field effects in many-electron mixed-valence dimers. <i>Physical Review B</i> , 2012 , 86,	3.3	27
419	Multi-frequency EPR studies of a mononuclear holmium single-molecule magnet based on the polyoxometalate [Ho(III)(W ₅ O ₁₈) ₂] ⁹⁻ . <i>Dalton Transactions</i> , 2012 , 41, 13697-704	4.3	77
418	Graphene electrochemical responses sense surroundings. <i>Electrochimica Acta</i> , 2012 , 81, 49-57	6.7	23
417	Lanthanoid single-ion magnets based on polyoxometalates with a 5-fold symmetry: the series [LnP ₅ W ₃ O ₁₁ O ₁₀] ₁₂ ⁻ (Ln ³⁺ = Tb, Dy, Ho, Er, Tm, and Yb). <i>Journal of the American Chemical Society</i> , 2012 , 134, 14982-90	16.4	206
416	Electronic and Magnetic Properties of Mn ₁₂ Molecular Magnets on Sulfonate and Carboxylic Acid Prefunctionalized Gold Surfaces. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 14936-14942	3.8	23
415	Coherent Manipulation of Polarization in Mixed-Valence Compounds by Electric Pulse via Landau-Zener Transitions. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4999-5008	3.8	22
414	The series of molecular conductors and superconductors ET ₄ [AFe(C ₂ O ₄) ₃][PhX] (ET = bis(ethylenedithio)tetrathiafulvalene; (C ₂ O ₄) ₂ ⁻ = oxalate; A ⁺ = H ₃ O ⁺ , K ⁺ ; X = F, Cl, Br, and I): influence of the halobenzene guest molecules on the crystal structure and superconducting properties. <i>Inorganic Chemistry</i> , 2012 , 51, 1111-26	5.1	44

4 ¹³	Patterning of magnetic bimetallic coordination nanoparticles of Prussian blue derivatives by the Langmuir-Blodgett technique. <i>Langmuir</i> , 2012 , 28, 4525-33	4	28
4 ¹²	Layered double hydroxide (LDH)–organic hybrids as precursors for low-temperature chemical synthesis of carbon nanoforms. <i>Chemical Science</i> , 2012 , 3, 1481	9.4	38
4 ¹¹	A symmetry adapted approach to the dynamic Jahn-Teller problem: Application to mixed-valence polyoxometalate clusters with keggin structure. <i>International Journal of Quantum Chemistry</i> , 2012 , 112, 2957-2964	2.1	19
4 ¹⁰	Combination of magnetic susceptibility and electron paramagnetic resonance to monitor the 1D to 2D solid state transformation in flexible metal-organic frameworks of Co(II) and Zn(II) with 1,4-bis(triazol-1-ylmethyl)benzene. <i>Inorganic Chemistry</i> , 2012 , 51, 4403-10	5.1	34
4 ⁰⁹	Tuning the magneto-structural properties of non-porous coordination polymers by HCl chemisorption. <i>Nature Communications</i> , 2012 , 3, 828	17.4	92
4 ⁰⁸	Magnetic in-tube solid phase microextraction. <i>Analytical Chemistry</i> , 2012 , 84, 7233-40	7.8	74
4 ⁰⁷	Nanopatterning of Anionic Nanoparticles based on Magnetic Prussian-Blue Analogues. <i>Advanced Functional Materials</i> , 2012 , 22, 3625-3633	15.6	18
4 ⁰⁶	Fragmenting gadolinium: mononuclear polyoxometalate-based magnetic coolers for ultra-low temperatures. <i>Advanced Materials</i> , 2012 , 24, 4301-5	24	66
4 ⁰⁵	Electric field control of the spin state in mixed-valence magnetic molecules. <i>ChemPhysChem</i> , 2012 , 13, 2662-5	3.2	26
4 ⁰⁴	Influence of the pH on the synthesis of reduced graphene oxide under hydrothermal conditions. <i>Nanoscale</i> , 2012 , 4, 3977-82	7.7	109
4 ⁰³	Multifunctionality in hybrid magnetic materials based on bimetallic oxalate complexes. <i>Chemical Society Reviews</i> , 2011 , 40, 473-97	58.5	272
4 ⁰²	Multifunctional magnetic materials obtained by insertion of spin-crossover Fe(III) complexes into chiral 3D bimetallic oxalate-based ferromagnets. <i>Inorganic Chemistry</i> , 2011 , 50, 9122-30	5.1	49
4 ⁰¹	A hybrid magnet with coexistence of ferromagnetism and photoinduced Fe(III) spin-crossover. <i>Chemical Science</i> , 2011 , 2, 1121	9.4	80
4 ⁰⁰	Assisted-assembly of coordination materials into advanced nanoarchitectures by Dip Pen nanolithography. <i>Chemical Communications</i> , 2011 , 47, 5175-7	5.8	27
399	Beyond the spin model: exchange coupling in molecular magnets with unquenched orbital angular momenta. <i>Chemical Society Reviews</i> , 2011 , 40, 3130-56	58.5	101
398	Manipulation of the spin in single molecule magnets via Landau-Zener transitions. <i>Physical Review B</i> , 2011 , 84,	3.3	7
397	Hybrid magnetic/superconducting materials obtained by insertion of a single-molecule magnet into TaS ₂ layers. <i>Advanced Materials</i> , 2011 , 23, 5021-6	24	29
396	Single-molecule magnetic behavior in a neutral terbium(III) complex of a picolinate-based nitronyl nitroxide free radical. <i>Inorganic Chemistry</i> , 2011 , 50, 7370-2	5.1	85

395	Polymer solar cells based on diphenylmethanofullerenes with reduced sidechain length. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1382-1386		43
394	Room-temperature electrical addressing of a bistable spin-crossover molecular system. <i>Advanced Materials</i> , 2011 , 23, 1545-9	24	286
393	Magneto-optical properties of electrodeposited thin films of the molecule-based magnet Cr(5.5)(CN)(12) \cdot 1.5H(2) O. <i>Advanced Materials</i> , 2011 , 23, 4323-6	24	27
392	Preconcentration of emerging contaminants in environmental water samples by using silica supported Fe ₃ O ₄ magnetic nanoparticles for improving mass detection in capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 2276-83	4.5	58
391	Photo-induced magnetic bistability in a controlled assembly of anisotropic coordination nanoparticles. <i>Chemical Communications</i> , 2011 , 47, 1985-7	5.8	31
390	Self-assembly of an iron(II)-based M5L6 metallocupramolecular cage. <i>Chemical Communications</i> , 2011 , 47, 8235-7	5.8	21
389	Role of Deprotonation and Cu Adatom Migration in Determining the Reaction Pathways of Oxalic Acid Adsorption on Cu(111). <i>Journal of Physical Chemistry C</i> , 2011 , 115, 21177-21182	3.8	21
388	Chiral charge order in the superconductor 2H-TaS ₂ . <i>New Journal of Physics</i> , 2011 , 13, 103020	2.9	34
387	A Symmetry Adapted Approach to the Dynamic Jahn-Teller Problem. <i>Progress in Theoretical Chemistry and Physics</i> , 2011 , 39-57	0.6	8
386	Coexistence of superconductivity and magnetism by chemical design. <i>Nature Chemistry</i> , 2010 , 2, 1031-6	17.6	129
385	Spin-lattice relaxation via quantum tunneling in an Er ³⁺ -polyoxometalate molecular magnet. <i>Physical Review B</i> , 2010 , 82,	3.3	98
384	Scanning tunnelling spectroscopy study of paramagnetic superconducting $\text{[ET(4)[(H(3)O)Fe(C(2)O(4))(3)]C(6)H(5)Br}$ crystals. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 175701	1.8	1
383	Structural and magnetic characterization of Pd nanoparticles encapsulated in apoferritin. <i>Nanotechnology</i> , 2010 , 21, 274017	3.4	9
382	Effects of halogen bonding in ferromagnetic chains based on Co(II) coordination polymers. <i>CrystEngComm</i> , 2010 , 12, 2339	3.3	39
381	Not just size and shape: spherically symmetrical d ⁵ and d ¹⁰ metal ions give different coordination nets with 4,2':6',4'-terpyridines. <i>CrystEngComm</i> , 2010 , 12, 2139	3.3	44
380	Hybrid organic-inorganic light emitting diodes: effect of the metal oxide. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4047		61
379	Ionic Assisted Charge Injection in Hybrid Organic/Inorganic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2694-2698	9.5	38
378	Confined growth of cyanide-based magnets in two dimensions. <i>Inorganic Chemistry</i> , 2010 , 49, 1313-5	5.1	30

377	Synthesis and properties of dinuclear Ru(II)/Os(II) complexes based on a heteroditopic phenanthroline-terpyridine bridging ligand. <i>Inorganic Chemistry</i> , 2010 , 49, 6897-903	5.1	24
376	Dual-emitting Langmuir-Blodgett film-based organic light-emitting diodes. <i>Langmuir</i> , 2010 , 26, 11461-8	4	21
375	Dual-emissive photoluminescent Langmuir-Blodgett films of decatungstoeuropate and an amphiphilic iridium complex. <i>Langmuir</i> , 2010 , 26, 1316-24	4	23
374	2D and 3D bimetallic oxalate-based ferromagnets prepared by insertion of different Fe(III) spin crossover complexes. <i>Dalton Transactions</i> , 2010 , 39, 4903-10	4.3	43
373	Intercalation of [M(ox) ₃] ₃ [M=Cr, Rh] complexes into Ni(II)Fe(III)-LDH. <i>Applied Clay Science</i> , 2010 , 48, 228-234	4.2	27
372	Electronic and magnetic study of polycationic Mn(II) single-molecule magnets with a ground spin state S = 11. <i>Inorganic Chemistry</i> , 2010 , 49, 386-96	5.1	15
371	A chiral ferromagnetic molecular metal. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9271-3	16.4	81
370	Defective dicubane-like tetranuclear nickel(II) cyanate and azide nanoscale magnets. <i>Inorganic Chemistry</i> , 2010 , 49, 11541-9	5.1	42
369	Role of orbital degeneracy in the single molecule magnet behavior of a mononuclear high-spin Fe(II) complex. <i>Inorganic Chemistry</i> , 2010 , 49, 8073-7	5.1	43
368	Tuning size and thermal hysteresis in bistable spin crossover nanoparticles. <i>Inorganic Chemistry</i> , 2010 , 49, 5706-14	5.1	148
367	Polymetallic oxalate-based 2D magnets: soluble molecular precursors for the nanostructuring of magnetic oxides. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5456-68	16.4	59
366	Intercalation of two-dimensional oxalate-bridged molecule-based magnets into layered double hydroxide hosts. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9476		25
365	Magnetic exchange between metal ions with unquenched orbital angular momenta: basic concepts and relevance to molecular magnetism. <i>International Reviews in Physical Chemistry</i> , 2010 , 29, 135-230	7	57
364	Hexagonal nanosheets from the exfoliation of Ni ²⁺ -Fe ³⁺ LDHs: a route towards layered multifunctional materials. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7451		116
363	MVPACK: a package to calculate energy levels and magnetic properties of high nuclearity mixed valence clusters. <i>Journal of Computational Chemistry</i> , 2010 , 31, 1321-32	3.5	15
362	Solid-State Electrochemical Method for Determining Core and Shell Size in Pd@PdO Nanoparticles. <i>Electroanalysis</i> , 2010 , 22, 293-302	3	9
361	Large-scale nanopatterning of single proteins used as carriers of magnetic nanoparticles. <i>Advanced Materials</i> , 2010 , 22, 588-91	24	50
360	Phosphorescent hybrid organic-inorganic light-emitting diodes. <i>Advanced Materials</i> , 2010 , 22, 2198-201	24	52

359	Multifunctional magnetic materials obtained by insertion of a spin-crossover Fe(III) complex into bimetallic oxalate-based ferromagnets. <i>Chemistry - A European Journal</i> , 2010 , 16, 2207-19	4.8	75
358	Magnetic fluorescent Langmuir-Blodgett films of fluorophore-labeled ferritin nanoparticles. <i>Solid State Sciences</i> , 2009 , 11, 754-759	3.4	18
357	Efficient Polymer Light-Emitting Diode Using Air-Stable Metal Oxides as Electrodes. <i>Advanced Materials</i> , 2009 , 21, 79-82	24	162
356	Origin of the Paramagnetic Properties of the Mixed-Valence Polyoxometalate [GeV ₁₄ O ₄₀] ⁸⁻ Reduced by Two Electrons: Wave Function Theory and Model Hamiltonian Calculations. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 5109-5114	2.3	20
355	Incorporation of Pd nanoparticles in mesostructured silica. <i>Microporous and Mesoporous Materials</i> , 2009 , 117, 170-177	5.3	42
354	Deep-red-emitting electrochemical cells based on heteroleptic bis-chelated ruthenium(II) complexes. <i>Inorganic Chemistry</i> , 2009 , 48, 3907-9	5.1	53
353	Molecular ionic junction for enhanced electronic charge transfer. <i>Langmuir</i> , 2009 , 25, 79-83	4	8
352	Preface for the forum on molecular magnetism: the role of inorganic chemistry. <i>Inorganic Chemistry</i> , 2009 , 48, 3293-5	5.1	84
351	Mononuclear lanthanide single molecule magnets based on the polyoxometalates [Ln(W ₅ O ₁₈) ₂] ⁹⁻ and [Ln(β ₂ -SiW ₁₁ O ₃₉) ₂] ¹³⁻ (Ln(III) = Tb, Dy, Ho, Er, Tm, and Yb). <i>Inorganic Chemistry</i> , 2009 , 48, 3467-79	5.1	44 ¹
350	White-light phosphorescence emission from a single molecule: application to OLED. <i>Chemical Communications</i> , 2009 , 4672-4	5.8	85
349	Molecular vs. inorganic spintronics: the role of molecular materials and single molecules. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1678		134
348	White Hybrid Organic-Inorganic Light-Emitting Diode Using ZnO as the Air-Stable Cathode. <i>Chemistry of Materials</i> , 2009 , 21, 439-441	9.6	52
347	Design of bimetallic magnetic chains based on oxalate complexes: towards single chain magnets. <i>CrystEngComm</i> , 2009 , 11, 2143	3.3	49
346	Magnetic compensation and ordering in the bimetallic oxalates: why are the 2D and 3D series so different?. <i>Inorganic Chemistry</i> , 2009 , 48, 3039-46	5.1	18
345	Macrocyclic spin-crossover materials. <i>Inorganic Chemistry</i> , 2009 , 48, 10416-23	5.1	33
344	Molecular conductors based on the mixed-valence polyoxometalates [SMo ₁₂ O ₄₀] ⁿ⁻ (n = 3 and 4) and the organic donors bis(ethylenedithio)tetrathiafulvalene and bis(ethylenedithio)tetraselenafulvalene. <i>Inorganic Chemistry</i> , 2009 , 48, 11314-24	5.1	19
343	Catenanes and threaded systems: from solution to surfaces. <i>Chemical Society Reviews</i> , 2009 , 38, 1674-89	5.5	107
342	High-nuclearity mixed-valence clusters and mixed-valence chains: general approach to the calculation of the energy levels and bulk magnetic properties. <i>Inorganic Chemistry</i> , 2009 , 48, 4557-68	5.1	21

341	Quantum computing with molecular spin systems. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1672-1677		148
340	Metal complexes of a picolinate-based nitronyl nitroxide free radical. <i>Inorganic Chemistry</i> , 2009 , 48, 2205-2214		32
339	Spin crossover complexes as building units of hydrogen-bonded nanoporous structures. <i>CrystEngComm</i> , 2009 , 11, 2198	3-3	37
338	Structural, thermal and photomagnetic properties of spin crossover [Fe(bpp) ₂] ²⁺ salts bearing [Cr(L)(ox) ₂] ⁻ anions. <i>Dalton Transactions</i> , 2009 , 8087-95	4-3	26
337	Comparison among superconducting models for $\text{Ba}(\text{Bi})\text{Fe}(\text{As})\text{O}_7$ single crystals by scanning tunnelling spectroscopy. <i>Solid State Sciences</i> , 2008 , 10, 1773-1776	3-4	2
336	Polyoxometalate salts of cationic nitronyl nitroxide free radicals. <i>Solid State Sciences</i> , 2008 , 10, 1794-1799	3-4	2
335	Hybrid magnetic materials formed by ferritin intercalated into a layered double hydroxide. <i>Solid State Sciences</i> , 2008 , 10, 1807-1813	3-4	7
334	Mononuclear lanthanide single-molecule magnets based on polyoxometalates. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8874-5	16.4	758
333	Layered ferromagnets hosting tetraalkylammonium-substituted nitronyl nitroxide free radicals. <i>Journal of Materials Chemistry</i> , 2008 , 18, 929		13
332	Spontaneous magnetization in Ni-Al and Ni-Fe layered double hydroxides. <i>Inorganic Chemistry</i> , 2008 , 47, 9103-10	5-1	68
331	Self-assembly of a copper(II)-based metallocupramolecular hexagon. <i>Inorganic Chemistry</i> , 2008 , 47, 5197-203	5-1	44
330	Single chain magnets based on the oxalate ligand. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14987-9	16.4	118
329	Oxalate-based soluble 2D magnets: the series [K(18-crown-6)] ₃ [M(II) ₃ (H ₂ O) ₄ {M(III)(ox) ₃ }] ₃ (M(III) = Cr, Fe; M(II) = Mn, Fe, Ni, Co, Cu; ox = C ₂ O ₄ ²⁻ ; 18-crown-6 = C ₁₂ H ₂₄ O ₆). <i>Inorganic Chemistry</i> , 2008 , 47, 6829-39	5-1	18
328	Synthesis, characterization and magnetism of monodispersed water soluble palladium nanoparticles. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5682		59
327	Near-quantitative internal quantum efficiency in a light-emitting electrochemical cell. <i>Inorganic Chemistry</i> , 2008 , 47, 9149-51	5-1	158
326	Synthesis, structure, and magnetic properties of [(S)-[PhCH(CH ₃)N(CH ₃) ₃]][Mn(CH ₃ CN) ₂ /3Cr(ox) ₃] x (CH ₃ CN) _n (solvate), a 2D chiral magnet containing a quaternary ammonium chiral cation. <i>Inorganic Chemistry</i> , 2008 , 47, 6458-63	5-1	54
325	Magnetic Langmuir-Blodgett Films of Bimetallic Coordination Nanoparticles of Cs _{0.4} Ni[Cr(CN) ₆] _{0.9} . <i>Chemistry of Materials</i> , 2008 , 20, 4642-4652	9.6	27
324	Role of the electron transfer and magnetic exchange interactions in the magnetic properties of mixed-valence polyoxovanadate complexes. <i>Inorganic Chemistry</i> , 2008 , 47, 5889-901	5-1	59

323	Pressure-induced magnetic switching and linkage isomerism in $K_{0.4}Fe_4[Cr(CN)_6] \cdot 2.8 \times 16 H_2O$: X-ray absorption and magnetic circular dichroism studies. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15519-32	16.4	113
322	Inverted solution processable OLEDs using a metal oxide as electron injection contact 2008 ,		5
321	Synthesis, Structure, Spectroscopic Studies and Magnetic Properties of the Tetrakis(5,7-dichloro-8-quinolinolato)gadolinium(III) Complex. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3820-3826	2.3	18
320	Magnetic Properties of NiII/CrIII Layered Double Hydroxide Materials. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 5642-5648	2.3	27
319	Inverted Solution Processable OLEDs Using a Metal Oxide as an Electron Injection Contact.. <i>Advanced Functional Materials</i> , 2008 , 18, 145-150	15.6	151
318	Long-Living Light-Emitting Electrochemical Cells [Control through Supramolecular Interactions. <i>Advanced Materials</i> , 2008 , 20, 3910-3913	24	175
317	A novel polynitrile ligand with different coordination modes: Synthesis, structure and magnetic properties of the series $[M(tcnoPrOH)_2(H_2O)_2]$ (M=Mn, Co and Cu) ($tcnoPrOH = [(NC)_2CC(OCH_2CH_2CH_2OH)C(CN)_2]$). <i>Journal of Molecular Structure</i> , 2008 , 890, 255-262	3.4	20
316	Synthesis, structure and magnetic characterization of $[Fe(bpp)_2][Cu(pds)_2] \cdot 2 \text{ solv}$ (solv=CH ₃ CN and CH ₃ OH). <i>Journal of Molecular Structure</i> , 2008 , 890, 215-220	3.4	8
315	Efficient blue emitting organic light emitting diodes based on fluorescent solution processable cyclic phosphazenes. <i>Organic Electronics</i> , 2008 , 9, 155-163	3.5	55
314	Solid-state electrochemistry of LDH-supported polyaniline hybrid inorganic-organic material. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 624, 275-286	4.1	12
313	Molecule-based ferromagnetic conductors: Strategy and design. <i>Comptes Rendus Chimie</i> , 2008 , 11, 1110-1116	4.16	15
312	New coordination polymers based on a novel polynitrile ligand: Synthesis, structure and magnetic properties of the series $[M(tcnoetOH)_2(4,4'-bpy)(H_2O)_2]$ ($tcnoetOH = [(NC)_2CC(OCH_2CH_2OH)C(CN)_2]$) (M=Fe, Co and Ni). <i>Inorganica Chimica Acta</i> , 2008 , 361, 3951-3959	2.7	24
311	A neutral 2D oxalate-based soluble magnet assembled by hydrogen bonding interactions. <i>Inorganica Chimica Acta</i> , 2008 , 361, 4017-4023	2.7	18
310	Origin of the large spectral shift in electroluminescence in a blue light emitting cationic iridium(III) complex. <i>Journal of Materials Chemistry</i> , 2007 , 17, 5032		150
309	Mixed-valence polyoxometalates: spin-coupling and electron distribution in the decawolframate anion reduced by two electrons. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 9969-77	2.8	18
308	Permanent magnetism in apoferritin-encapsulated Pd nanoparticles. <i>Journal of Materials Chemistry</i> , 2007 , 17, 49-51		28
307	Langmuir-Blodgett films of a Mo-blue nanoring $[Mo(142)O(429)H(10)(H_2O)(49)(CH_3CO)_2(5)(CH_3CH_2CO)_2](30)(-)$ (Mo(142)) by the semiamphiphilic method. <i>Langmuir</i> , 2007 , 23, 4042-7	4	21
306	Structural, thermal, and magnetic study of solvation processes in spin-crossover $[Fe(bpp)_2][Cr(L)(ox)_2] \cdot 2nH_2O$ complexes. <i>Inorganic Chemistry</i> , 2007 , 46, 11266-76	5.1	66

305	A "cation-less" oxalate-based ferromagnet formed by neutral bimetallic layers: $\{[\text{Co}(\text{H}_2\text{O})_2]_3[\text{Cr}(\text{ox})_3]_2(18\text{-crown-6})_2\}(\infty)$ (ox = oxalate dianion; 18-crown-6 = C ₁₂ H ₂₄ O ₆). <i>Inorganic Chemistry</i> , 2007 , 46, 8108-10	5.1	28
304	Organometallic Magnetic Materials 2007 , 413-443		3
303	Effect of cyanato, azido, carboxylato, and carbonato ligands on the formation of cobalt(II) polyoxometalates: characterization, magnetic, and electrochemical studies of multinuclear cobalt clusters. <i>Chemistry - A European Journal</i> , 2007 , 13, 3525-36	4.8	173
302	Nanoscale Deposition of Single-Molecule Magnets onto SiO ₂ Patterns. <i>Advanced Materials</i> , 2007 , 19, 291-295	24	81
301	Bistable Spin-Crossover Nanoparticles Showing Magnetic Thermal Hysteresis near Room Temperature. <i>Advanced Materials</i> , 2007 , 19, 1359-1361	24	305
300	Magneto-Optical Investigations of Nanostructured Materials Based on Single-Molecule Magnets Monitor Strong Environmental Effects. <i>Advanced Materials</i> , 2007 , 19, 3906-3911	24	76
299	Subphthalocyanines as narrow band red-light emitting materials. <i>Tetrahedron Letters</i> , 2007 , 48, 4657-4660		77
298	Unusual packing of ET molecules caused by π -stacking interactions with TRISPHAT molecules in two [ET][TRISPHAT] salts (ET=bis(ethylenedithio)tetrathiafulvalene, TRISPHAT=(tris(tetrachlorobenzenediolato)phosphate(V))). <i>Inorganica Chimica Acta</i> , 2007 , 360, 955-960	2.7	23
297	Synthesis and characterization of [Fe(III)(qsal) ₂][M(III)(pds) ₂] (M = Cu, Au). <i>Inorganica Chimica Acta</i> , 2007 , 360, 3843-3847	2.7	21
296	Langmuir monolayers and Langmuir-Blodgett films of ferritin prepared by using a surfactant mixture of eicosylamine (EA) and methyl stearate (SME). <i>Polyhedron</i> , 2007 , 26, 1871-1875	2.7	3
295	Spin crossover Fell complexes as templates for bimetallic oxalate-based 3D magnets. <i>Polyhedron</i> , 2007 , 26, 1838-1844	2.7	45
294	Controlling the dimensionality of oxalate-based bimetallic complexes: The ferromagnetic chain $\{[\text{K}(18\text{-crown-6})][\text{Mn}(\text{bpy})\text{Cr}(\text{ox})_3]\}_n$ (18-crown-6=C ₁₂ H ₂₄ O ₆ , , bpy=C ₁₀ H ₈ N ₂). <i>Polyhedron</i> , 2007 , 26, 2101-2104	2.7	13
293	Spin qubits with electrically gated polyoxometalate molecules. <i>Nature Nanotechnology</i> , 2007 , 2, 312-7	28.7	361
292	Highly phosphorescent perfect green emitting iridium(III) complex for application in OLEDs. <i>Chemical Communications</i> , 2007 , 3276-8	5.8	80
291	Magnetic molecular nanostructures: Design of magnetic molecular materials as monolayers, multilayers and thin films. <i>Applied Surface Science</i> , 2007 , 254, 225-235	6.7	19
290	New BEDT-TTF/[Fe(C ₅ O ₅) ₃] ³⁻ hybrid system: synthesis, crystal structure, and physical properties of a chirality-induced alpha phase and a novel magnetic molecular metal. <i>Inorganic Chemistry</i> , 2007 , 46, 4446-57	5.1	30
289	Air stable hybrid organic-inorganic light emitting diodes using ZnO as the cathode. <i>Applied Physics Letters</i> , 2007 , 91, 223501	3.4	142
288	Chiral molecular magnets: synthesis, structure, and magnetic behavior of the series [M(L-tart)] (M = Mn(II), Fe(II), Co(II), Ni(II); L-tart = (2R,3R)-(+)-tartrate). <i>Chemistry - A European Journal</i> , 2006 , 12, 3484-92	4.8	115

- 287 Metal Phosphonates Based on $\{[(\text{Benzimidazol-2-ylmethyl})\text{imino}]\text{bis}(\text{methylene})\}\text{bis}(\text{phosphonic Acid})$: Syntheses, Structures and Magnetic Properties of the Chain Compounds $[\text{M}\{(\text{C}_7\text{H}_5\text{N}_2)\text{CH}_2\text{N}(\text{CH}_2\text{PO}_3\text{H})_2\}]$ ($\text{M} = \text{Mn}, \text{Fe}, \text{Co}, \text{Cu}, \text{Cd}$). *European Journal of Inorganic Chemistry*, **2006**, 2006, 1830-1837 2.3 36
- 286 A Highly Sensitive Hybrid Colorimetric and Fluorometric Molecular Probe for Cyanide Sensing Based on a Subphthalocyanine Dye. *Advanced Functional Materials*, **2006**, 16, 1166-1170 15.6 120
- 285 Optimization of Polymer Blue-Light-Emitting Devices by Introducing a Hole-Injection Layer Doped with the Molecular Nanomagnet $[\text{Mn}_{12}\text{O}_{12}(\text{H}_2\text{O})_4(\text{C}_6\text{F}_5\text{COO})_{16}]$. *Advanced Materials*, **2006**, 18, 920-923²⁴ 20
- 284 Improved Stability of Solid State Light Emitting Electrochemical Cells Consisting of Ruthenium and Iridium Complexes. *Materials Research Society Symposia Proceedings*, **2006**, 965, 1
- 283 Synthesis, Chirality, and Magnetic Properties of Bimetallic Cyanide-Bridged Two-Dimensional Ferromagnets. *Chemistry of Materials*, **2006**, 18, 2670-2681 9.6 104
- 282 Stable single-layer light-emitting electrochemical cell using 4,7-diphenyl-1,10-phenanthroline-bis(2-phenylpyridine)iridium(III) hexafluorophosphate. *Journal of the American Chemical Society*, **2006**, 128, 14786-7 16.4 177
- 281 A chirality-induced alpha phase and a novel molecular magnetic metal in the BEDT-TTF/tris(croconate)ferrate(III) hybrid molecular system. *Chemical Communications*, **2006**, 4931-3 5.8 31
- 280 Increasing the ordering temperatures in oxalate-based 3D chiral magnets: the series $[\text{Ir}(\text{ppy})_2(\text{bpy})][\text{M}(\text{II})\text{M}(\text{III})(\text{ox})_3] \times 0.5 \text{H}_2\text{O}$ ($\text{M}(\text{II})\text{M}(\text{III}) = \text{MnCr}, \text{FeCr}, \text{CoCr}, \text{NiCr}, \text{ZnCr}, \text{MnFe}, \text{FeFe}$); $\text{bpy} = 2,2'$ -bipyridine; $\text{ppy} = 2$ -phenylpyridine; $\text{ox} = \text{oxalate dianion}$). *Inorganic Chemistry*, **2006**, 45, 5653-60 5.1 67
- 279 Heptacoordinated Mn(II) in oxalate-based bimetallic 2D magnets: synthesis and characterisation of $[\text{Mn}(\text{L})_6][\text{Mn}(\text{CH}_3\text{OH})\text{M}(\text{III})(\text{ox})_3]_2$ ($\text{M}(\text{III}) = \text{Cr}, \text{Rh}$; $\text{ox} = \text{oxalate dianion}$; $\text{L} = \text{H}_2\text{O}, \text{CH}_3\text{OH}$). *Dalton Transactions*, **2006**, 3294-9 4.3 30
- 278 Magnetic Langmuir-Blodgett films of ferritin with different iron contents. *Langmuir*, **2006**, 22, 6993-7000 27
- 277 Insertion of Magnetic Bimetallic Oxalate Complexes into Layered Double Hydroxides. *Chemistry of Materials*, **2006**, 18, 6112-6114 9.6 31
- 276 Oxalate-based 2D magnets: the series $[\text{NBu}_4][\text{MIIMnIII}(\text{ox})_3]$ ($\text{MI} = \text{Fe}, \text{Co}, \text{Ni}, \text{Zn}$; $\text{ox} = \text{oxalate dianion}$). *Journal of Materials Chemistry*, **2006**, 16, 2685-2689 108
- 275 Synthesis and characterization of a soluble bimetallic oxalate-based bidimensional magnet: $[\text{K}(\text{18-crown-6})]_3[\text{Mn}_3(\text{H}_2\text{O})_4(\text{Cr}(\text{ox})_3)_3]$. *Inorganic Chemistry*, **2006**, 45, 1882-4 5.1 42
- 274 Apoferritin-encapsulated Ni and Co superparamagnetic nanoparticles. *Journal of Materials Chemistry*, **2006**, 16, 2757-2761 61
- 273 Radical salts of bis(ethylenediseleno)tetrathiafulvalene with paramagnetic tris(oxalato)metalate anions. *Inorganic Chemistry*, **2006**, 45, 10815-24 5.1 19
- 272 Green Light-Emitting Solid-State Electrochemical Cell Obtained from a Homoleptic Iridium(III) Complex Containing Ionically Charged Ligands. *Chemistry of Materials*, **2006**, 18, 2778-2780 9.6 64
- 271 Efficient and stable solid-state light-emitting electrochemical cell using tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) hexafluorophosphate. *Journal of the American Chemical Society*, **2006**, 128, 46-7 16.4 104
- 270 Parametrization of the magnetic behavior of the triangular spin ladder chains organically templated: $(\text{C}_2\text{N}_2\text{H}_{10})[\text{M}(\text{HPO}_3)\text{F}_3]$ ($\text{M}(\text{III}) = \text{Fe}, \text{Cr}, \text{and V}$). Crystal structure and thermal and spectroscopic properties of the iron(III) phase. *Inorganic Chemistry*, **2006**, 45, 3240-8 5.1 13

269	Optical mercury sensing using a benzothiazolium hemicyanine dye. <i>Organic Letters</i> , 2006 , 8, 3857-60	6.2	155
268	Synthesis, crystal structures and magnetic properties of mononuclear tris(croconate)ferrate(III) complexes. <i>Inorganica Chimica Acta</i> , 2006 , 359, 1177-1183	2.7	9
267	A stable oxoverdazyl free radical: Structural and magnetic characterization. <i>Polyhedron</i> , 2006 , 25, 2433-2438	2.7	12
266	Electron correlation effects in quasi-two-dimensional molecular magnetic conductors studied by photoemission. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 266-270	3.9	
265	Hybrid materials containing organometallic cations and 3-D anionic metal dicyanamide networks of type $[Cp^*2M][M'(dca)_3]$. <i>Dalton Transactions</i> , 2005 , 285-90	4.3	30
264	Hybrid molecular conductors. <i>Journal of Materials Chemistry</i> , 2005 , 15, 66-74		125
263	Hybrid molecular materials for optoelectronic devices. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3593		39
262	A novel paramagnetic molecular superconductor formed by bis(ethylenedithio)tetrathiafulvalene, tris(oxalato)ferrate(III) anions and bromobenzene as guest molecule: $ET_4[(H_3O)Fe(C_2O_4)_3][C_6H_5Br]$. <i>Journal of Materials Chemistry</i> , 2005 , 15, 1429-1436		60
261	Isotropic magnetic exchange between anisotropic Yb(III) ions. Study of $Cs_3Yb_2Cl_9$ and $Cs_3Yb_2Br_9$ crystals. <i>Inorganic Chemistry</i> , 2005 , 44, 3984-92	5.1	10
260	Observation of electroluminescence at room temperature from a ruthenium(II) bis-terpyridine complex and its use for preparing light-emitting electrochemical cells. <i>Inorganic Chemistry</i> , 2005 , 44, 5966-8	5.1	104
259	Isolated Mn_{12} single-molecule magnets grafted on gold surfaces via electrostatic interactions. <i>Inorganic Chemistry</i> , 2005 , 44, 7693-5	5.1	70
258	Magnetic Langmuir-Blodgett films of ferritin with different iron loadings. <i>Synthetic Metals</i> , 2005 , 148, 7-10	3.6	10
257	New magnetic conductors and superconductors based on BEDT-TTF and BEDS-TTF. <i>Synthetic Metals</i> , 2005 , 154, 245-248	3.6	33
256	A new BEDT-TTF salt and polypyrrole films containing the chiral polyoxometalate $[H_4Co_2Mo_{10}O_{38}]^{6-}$. <i>Synthetic Metals</i> , 2005 , 154, 241-244	3.6	18
255	Brief encounter at the molecular level: what muons tell us about molecule-based magnets. <i>Synthetic Metals</i> , 2005 , 152, 481-484	3.6	3
254	Reversible colorimetric probes for mercury sensing. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12351-6	16.4	298
253	Synthesis, structure, and magnetic properties of the oxalate-based bimetallic ferromagnetic chain $\{[K(18\text{-crown-6})][Mn(H_2O)_2Cr(ox)_3]\}_\infty$ (18-crown-6 = $C_{12}H_{24}O_6$, ox = $C_2O_4^{2-}$). <i>Inorganic Chemistry</i> , 2005 , 44, 6197-202	5.1	55
252	Pressure-tuning of magnetism and linkage isomerism in iron(II) hexacyanochromate. <i>Journal of the American Chemical Society</i> , 2005 , 127, 4580-1	16.4	173

251	Synthesis, crystal structure, and properties of multicomponent bis(ethylenedithio)tetrathiafulvalene charge-transfer salts of the $[\text{Mo}_3\text{S}_7\text{Br}_6]^{2-}$ cluster. <i>Inorganic Chemistry</i> , 2005 , 44, 1563-70	5.1	22
250	Magnetic polyoxometalates: anisotropic exchange interactions in the moiety of $[(\text{NaOH}_2)\text{Co}_3(\text{H}_2\text{O})(\text{P}_2\text{W}_{15}\text{O}_{56})_2]^{17-}$. <i>Inorganic Chemistry</i> , 2005 , 44, 3389-95	5.1	71
249	Molecular Materials Combining Magnetic and Conducting Properties 2005 , 105-159		
248	Recent advances in polyoxometalate-containing molecular conductors. <i>Coordination Chemistry Reviews</i> , 2005 , 249, 1776-1796	23.2	252
247	Langmuir-Blodgett films based on inorganic molecular complexes with magnetic or optical properties. <i>Advances in Colloid and Interface Science</i> , 2005 , 116, 193-203	14.3	68
246	Hybrid Magnetic Materials Based on Nitroxide Free Radicals and Extended Oxalato-Bridged Bimetallic Networks. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 389-400	2.3	22
245	Oxalate-Based 3D Chiral Magnets: The Series $[\text{ZII}(\text{bpy})_3][\text{ClO}_4][\text{MII}(\text{ox})_3]$ (ZII = Fe, Ru; MII = Mn, Fe; bpy = 2,2'-Bipyridine; ox = Oxalate Dianion). <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 2064-2070	2.3	42
244	Towards Molecular Conductors with a Spin-Crossover Phenomenon: Crystal Structures, Magnetic Properties and Mössbauer Spectra of $[\text{Fe}(\text{salten})\text{Mepepy}][\text{M}(\text{dmit})_2]$ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 3261-3270	2.3	50
243	Structural Transformations and Magnetic Effects Induced by Solvent Exchange in the Spin Crossover Complex $[\text{Fe}(\text{bpp})_2][\text{Cr}(\text{bpy})(\text{ox})_2]_2$. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 2783-2787	2.3	29
242	Conductive Hybrid Films of Polyarylamine Electrochemically Oxidized with the Molecular Nanomagnet $[\text{Mn}_{12}\text{O}_{12}(\text{H}_2\text{O})_4(\text{C}_6\text{F}_5\text{COO})_{16}]$. <i>Advanced Materials</i> , 2005 , 17, 1018-1023	24	14
241	Polyoxometalate monolayers in Langmuir-Blodgett films. <i>Chemistry - A European Journal</i> , 2005 , 11, 3979-3987	24.8	71
240	Metallic conductivity down to 2 K in a polyoxometalate-containing radical salt of BEDO-TTF. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3022-5	16.4	68
239	Polycationic Mn_{12} single-molecule magnets as electron reservoirs with $S > 10$ ground states. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 6152-6	16.4	70
238	Metallic Conductivity in a Polyoxovanadate Radical Salt of Bis(ethylenedithio)tetrathiafulvalene (BEDT-TTF): Synthesis, Structure, and Physical Characterization of $[\text{V}(\text{BEDT-TTF})_5[\text{H}_3\text{V}_{10}\text{O}_{28}]]_4\text{H}_2\text{O}$. <i>Advanced Materials</i> , 2004 , 16, 324-327	24	93
237	Metallic Conductivity Down to 2 K in a Polyoxometalate-Containing Radical Salt of BEDO-TTF. <i>Angewandte Chemie</i> , 2004 , 116, 3084-3087	3.6	16
236	Polycationic Mn_{12} Single-Molecule Magnets as Electron Reservoirs with $S > 10$ Ground States. <i>Angewandte Chemie</i> , 2004 , 116, 6278-6282	3.6	2
235	Electron delocalization and electrostatic repulsion at the origin of the strong spin coupling in mixed-valence kegglin polyoxometalates: ab initio calculations of the one- and two-electron processes. <i>Chemistry - A European Journal</i> , 2004 , 10, 4041-53	4.8	39
234	Cubane-type $\text{Mo}_3\text{Co}_4\text{S}_4$ molecular clusters with three different metal electron populations: structure, reactivity and their use in the synthesis of hybrid charge-transfer salts. <i>Chemistry - A European Journal</i> , 2004 , 10, 4308-14	4.8	28

233	Synthesis, crystal structure, and physical properties of (BEDT-TTF)[Ni(tdas) ₂] (BEDT-TTF = bis(ethylenedithio)tetrathiafulvalene; tdas = 1,2,5-thiadiazole-3,4-dithiolate): first monomeric [Ni(tdas) ₂]- monoanion. <i>Inorganic Chemistry</i> , 2004 , 43, 2049-56	5.1	25
232	Magnetic order and local field distribution in the hybrid magnets [FeCp* ₂][MnCr(ox) ₃] and [CoCp* ₂][FeFe(ox) ₃]: a muon spin relaxation study. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1518-1520		11
231	A new heptanuclear cobalt(II) cluster encapsulated in a novel heteropolyoxometalate topology: synthesis, structure, and magnetic properties of [Co ₇ H ₂ O) ₂ (OH) ₂ (P ₂ W ₂₅ O ₉₄) ₁₆ -. <i>Inorganic Chemistry</i> , 2004 , 43, 2689-94	5.1	101
230	A chiral molecular conductor: synthesis, structure, and physical properties of [ET] ₃ [Sb ₂ (L-tart) ₂].CH ₃ CN (ET = bis(ethylenedithio)tetrathiafulvalene; L-tart = (2R,3R)-(+)-tartrate). <i>Inorganic Chemistry</i> , 2004 , 43, 8072-7	5.1	59
229	Incommensurate nature of the multilayered molecular ferromagnetic metals based on bis(ethylenedithio)tetrathiafulvalene and bimetallic oxalate complexes. <i>Inorganic Chemistry</i> , 2004 , 43, 4808-10	5.1	72
228	Single-component magnetic conductors based on Mo ₃ S ₇ trinuclear clusters with outer dithiolate ligands. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12076-83	16.4	83
227	New conducting radical salts based upon Keggin-type polyoxometalates and perylene. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1867-1872		20
226	Magnetic molecular conductors. <i>Chemical Reviews</i> , 2004 , 104, 5419-48	68.1	781
225	Multifunctionality in Molecular Conductors and Magnets 2004 , 127-142		2
224	Pseudo-Jahn-Teller Origin of the Metastable States in Sodium Nitroprusside. <i>Advances in Quantum Chemistry</i> , 2003 , 44, 429-444	1.4	3
223	A New Layered Compound Containing [PMo ₁₂ O ₄₀] ₃ and Both 5- and 6-Coordinated Homoleptic (1-(2-Chloroethyl)tetrazole)Copper(II) Cations. <i>Monatshefte für Chemie</i> , 2003 , 134, 255-264	1.4	8
222	Multifunctional molecular materials. <i>Solid State Sciences</i> , 2003 , 5, 917-924	3.4	37
221	Hybrid Organic/Inorganic Molecular Materials Formed by Tetrathiafulvalene Radicals and Magnetic Trimeric Clusters of Dimetallic Oxalate-Bridged Complexes: The Series (TTF) ₄ {M ^{II} (H ₂ O) ₂ [M ^{III} (ox) ₃] ₂ }[nH ₂ O] (M ^{II} = Mn, Fe, Co, Ni, Cu and Zn; M ^{III} = Cr and Fe; ox = C ₂ O ₄ ²⁻)]. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 2290-2298	2.3	47
220	Ferromagnetism in [Mn(Cp*) ₂] ⁺ -Derived Complexes: the Miraculous Stacking in [Mn(Cp*) ₂][Ni(dmit) ₂]. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 2880-2888	2.3	29
219	Stoichiometric Control of the Magnetic Properties in Copper(II) Cyano-Bridged Bimetallic Complexes. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 4289-4293	2.3	22
218	Molecule-based magnetic materials. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2570-2	16.4	98
217	Magnetic properties of hybrid molecular materials based on oxalato complexes. <i>Polyhedron</i> , 2003 , 22, 2381-2386	2.7	10
216	Design of chiral magnets: cyanide-bridged bimetallic assemblies based on cyclohexane-1,2-diamine. <i>Polyhedron</i> , 2003 , 22, 2435-2440	2.7	30

- 215 Orbitally dependent kinetic exchange in cobalt(II) pairs: origin of the magnetic anisotropy. *Polyhedron*, **2003**, 22, 2537-2544 2.7 9
- 214 Problem of the magnetic anisotropy in orbitally degenerate exchange and mixed-valence clusters. *Polyhedron*, **2003**, 22, 2521-2526 2.7 7
- 213 Mn 12 single-molecule magnets incorporated into mesoporous MCM-41 silica. *Polyhedron*, **2003**, 22, 2395-2400 18
- 212 Synthesis, structure and magnetic properties of iron (II), cobalt (II) and nickel (II) complexes of 2,6-bis(pyrazol-3-yl)pyridine and paramagnetic counterions. *Polyhedron*, **2003**, 22, 2375-2380 2.7 19
- 211 Ab initio calculations of the transfer parameters and coulombic repulsion and estimation of their effects on the electron delocalization and magnetic coupling in mixed-valence Keggin polyoxotungstates. *Polyhedron*, **2003**, 22, 2331-2337 2.7 8
- 210 Synthesis, crystal structure and magnetic properties of [Cr₂Cu₂(bpy)₄(ox)₅]₂H₂O. An oxalato-bridged heterometallic tetramer. *Polyhedron*, **2003**, 22, 3115-3122 2.7 43
- 209 Organized assemblies of magnetic clusters. *Comptes Rendus Chimie*, **2003**, 6, 683-688 2.7 16
- 208 Magnetic Polyoxometalates **2003**, 273-295 1
- 207 Hybrid Materials Based on Polyoxometalates with Solid State Properties **2003**, 417-440
- 206 A molecular metal ferromagnet from the organic donor bis(ethylenedithio)tetraselenafulvalene and bimetallic oxalate complexes. *Journal of the American Chemical Society*, **2003**, 125, 10774-5 16.4 169
- 205 Synthesis, crystal structures and electronic properties of imidazoline nitroxide radicals bearing active groups in electropolymerisation. *New Journal of Chemistry*, **2003**, 27, 490-497 3.6 15
- 204 Microscopic approach to the pseudo-spin-1/2 Hamiltonian for Kramers doublets in exchange coupled Co(II) pairs. *Inorganic Chemistry*, **2003**, 42, 2455-8 5.1 75
- 203 Magnetoresistance studies of the ferromagnetic molecular metal (BEDT-TTF)₃[MnCr(C₂O₄)₃] under pressure. *Synthetic Metals*, **2003**, 133-134, 549-551 3.6 6
- 202 Multifunctionality in hybrid molecular materials: Design of ferromagnetic molecular metals. *Synthetic Metals*, **2003**, 135-136, 687-689 3.6 26
- 201 Cationic Mn₁₂ single-molecule magnets and their polyoxometalate hybrid salts. *Inorganic Chemistry*, **2003**, 42, 8019-27 5.1 49
- 200 Orbitally dependent magnetic coupling between cobalt(II) ions: The problem of the magnetic anisotropy. *Journal of Chemical Physics*, **2003**, 118, 5566-5581 3.9 53
- 199 One-Dimensional Magnetism: An Overview of the Models **2003**, 1-47 7
- 198 Copper(I) pseudorotaxane monolayers assembled on gold electrodes. *Inorganic Chemistry*, **2003**, 42, 6959-61 5.1 21

197	Incorporation of Mn ²⁺ single molecule magnets into mesoporous silica. <i>Journal of Materials Chemistry</i> , 2003 , 13, 3089-3095		46
196	Magnetism in polyoxometalates: anisotropic exchange interactions in the Co ³⁺ moiety of [Co ₃ W(D ₂ O) ₂ (ZnW ₉ O ₃₄) ₂](12-)-A magnetic and inelastic neutron scattering study. <i>Chemistry - A European Journal</i> , 2002 , 8, 5701-8	4.8	39
195	Unusual Magnetic Behavior in the Layered Ferromagnet [Ni(C ₆ H ₁₄ N ₂) ₂] ₃ [Fe(CN) ₆] ₂ ·2H ₂ O. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 1603-1606	2.3	40
194	A New Conducting Molecular Solid Based on the Magnetic [Ni(dmf) ₆] ²⁺ Cation and on [Ni(dsit) ₂] ₂ (dsit=1,3-dithiole-2-thione-4,5-diselenolate) Showing an Unprecedented Anion Packing. <i>Journal of Solid State Chemistry</i> , 2002 , 168, 653-660	3.3	8
193	Polyoxometalates as Inorganic Building Blocks of Multifunctional Molecular Materials. <i>Journal of Cluster Science</i> , 2002 , 13, 381-407	3	18
192	A New Layered Compound Containing [PMo ₁₂ O ₄₀] ³⁻ and Both 5- and 6-Coordinated Homoleptic (1-(2-Chloroethyl)tetrazole)Copper(II) Cations 2002 , 139-148		1
191	Polyoxometalates: From Magnetic Models to Multifunctional Materials. <i>Nanostructure Science and Technology</i> , 2002 , 157-168	0.9	1
190	Hybrid Material Polypyrrole/[SiCr(H ₂ O)W ₁₁ O ₃₉] ⁵⁻ : Electrogeneration, Properties, and Stability under Cycling. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 7585-7591	3.4	45
189	Electron delocalization in mixed-valence Keggin polyoxometalates. Ab initio calculation of the local effective transfer integrals and its consequences on the spin coupling. <i>Journal of the American Chemical Society</i> , 2002 , 124, 15134-40	16.4	69
188	Ferromagnetism and chirality in two-dimensional cyanide-bridged bimetallic compounds. <i>Inorganic Chemistry</i> , 2002 , 41, 4615-7	5.1	126
187	Magnetic properties of CoAl, NiAl, and MgAl hydroxalicates and the oxides formed upon their thermal decomposition. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2370-2375		23
186	A two-dimensional radical salt based upon BEDT-TTF and the dimeric, magnetic anion [Fe(td _{as}) ₂] ₂ (BEDT-TTF) ₂ [Fe(td _{as}) ₂] (td _{as} = 1,2,5-thiadiazole-3,4-dithiolate). <i>Journal of Materials Chemistry</i> , 2002 , 12, 3570-3577		20
185	Bimetallic cyanide-bridged complexes based on the photochromic nitroprusside anion and paramagnetic metal complexes. <i>Polyhedron</i> , 2001 , 20, 1615-1619	2.7	22
184	A new approach for the synthesis of magnetic materials based on nitroxide free radicals and inorganic coordination polymers. <i>Polyhedron</i> , 2001 , 20, 1659-1662	2.7	9
183	Synthesis and characterisation of polymeric manganese and zinc 5-hydroxyisophthalates. <i>Polyhedron</i> , 2001 , 20, 2293-2303	2.7	33
182	Magnetic exchange interaction in clusters of orbitally degenerate ions. II. Application of the irreducible tensor operator technique. <i>Chemical Physics</i> , 2001 , 274, 145-163	2.3	27
181	Magnetic Exchange between Orbitally Degenerate Metal Ions: The Problem of Magnetic Anisotropy. <i>Journal of Solid State Chemistry</i> , 2001 , 159, 268-280	3.3	15
180	A Comparative Structural and Magnetic Study of Three Compounds Based on the Cluster Unit M ₄ Cl ₈ (THF) ₆ (M=Mn, Fe, Co). <i>Journal of Solid State Chemistry</i> , 2001 , 159, 281-292	3.3	36

179	Layered Molecule-Based Magnets Formed by Decamethylmetallocenium Cations and Two-Dimensional Bimetallic Complexes [MIIIRuIII(ox) ₃] _n (MII=;Mn, Fe, Co, Cu and Zn; ox=oxalate). <i>Journal of Solid State Chemistry</i> , 2001 , 159, 391-402	3.3	66
178	Nitroxide Radicals as Templating Agents in the Synthesis of Magnets Based on Three-Dimensional Oxalato-Bridged Heterodimetallic Networks. <i>Angewandte Chemie</i> , 2001 , 113, 814-817	3.6	6
177	Nitroxide Radicals as Templating Agents in the Synthesis of Magnets Based on Three-Dimensional Oxalato-Bridged Heterodimetallic Networks. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 792-795	3.6	58
176	Hybrid Langmuir-Blodgett Films Formed by Alternating Layers of Magnetic Polyoxometalate Clusters and Organic Donor Molecules Towards the Preparation of Multifunctional Molecular Materials. <i>Advanced Materials</i> , 2001 , 13, 574-577	2.4	74
175	Synthesis and characterisation of polymeric metal-ion carboxylates from benzene-1,3,5-tricarboxylic acid with Mn(II), Co(II) or Zn(II) and 2,2-bipyridyl, phenanthroline or a pyridyl-2-(1-methyl-1H-pyrazol-3-yl) derivative. <i>Inorganica Chimica Acta</i> , 2001 , 319, 159-175	2.7	54
174	Magnetic exchange interaction in clusters of orbitally degenerate ions. I. Effective Hamiltonian. <i>Chemical Physics</i> , 2001 , 274, 131-144	2.3	31
173	Magnetic exchange interaction in a pair of orbitally degenerate ions: Magnetic anisotropy of [Ti ₂ Cl ₉] ³⁻ . <i>Journal of Chemical Physics</i> , 2001 , 114, 1148-1164	3.9	32
172	Molecule-based magnets formed by bimetallic three-dimensional oxalate networks and chiral tris(bipyridyl) complex cations. The series [ZII(bpy) ₃][ClO ₄][MIIICrIII(ox) ₃] (ZII = Ru, Fe, Co, and Ni; MII = Mn, Fe, Co, Ni, Cu, and Zn; ox = oxalate dianion). <i>Inorganic Chemistry</i> , 2001 , 40, 113-20	5.1	201
171	Organic/inorganic molecular conductors based upon perylene and Lindquist-type polyoxometalates. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2176-2180		12
170	Bimetallic cyanide-bridged complexes based on the photochromic nitroprusside anion and paramagnetic metal complexes. Syntheses, structures, and physical characterization of the coordination compounds [Ni(en) ₂] ₄ [Fe(CN) ₅ NO] ₂ [Fe(CN) ₆] _x 5H ₂ O, [Ni(en) ₂] ₂ [Fe(CN) ₅ NO] ₃ x3H ₂ O, [Mn(3-MeOsalen)(H ₂ O)] ₂ [Fe(CN) ₅ NO], and [Mn(5-Brsalen)] ₂ [Fe(CN) ₅ NO]. <i>Inorganic Chemistry</i> , 2001 , 40, 1943-50	5.1	81
169	Magnetic polyoxometalates: anisotropic antiferro- and ferromagnetic exchange interactions in the pentameric cobalt(II) cluster. <i>Inorganic Chemistry</i> , 2001 , 40, 1943-50	5.1	56
168	Radical salts of TTF derivatives with magnetic and photochromic anions. <i>Synthetic Metals</i> , 2001 , 120, 733-734	3.6	3
167	Radical salts of perylene and polyoxometalates. <i>Synthetic Metals</i> , 2001 , 120, 761-762	3.6	3
166	Tuning the magnetic properties in the layered molecular based magnets A[FeIIIRuIIIIM ₁ III(ox) ₃] (MIII=Cr or Fe; ox=oxalate; A=organic or organometallic cation). <i>Synthetic Metals</i> , 2001 , 122, 501-507	3.6	13
165	Toward multifunctional single-molecule magnets: characterization of dodecanuclear manganese complexes by electrospray ionization mass spectrometry. <i>Inorganic Chemistry</i> , 2001 , 40, 6084-5	5.1	27
164	New charge transfer salts based on bis(ethylenedithio)tetrathiafulvalene (ET) and ferro- or antiferromagnetic oxalato-bridged dinuclear anions: syntheses, structures and magnetism of ET ₅ [MM'(C ₂ O ₄)(NCS) ₈] with MM' = Cr(III)Fe(III), Cr(III)Cr(III). <i>Inorganic Chemistry</i> , 2001 , 40, 5127-32	5.1	17
163	Hybrid molecular materials based upon organic pi-electron donors and metal complexes. Radical salts of bis(ethylenedithio)tetrathiafulvalene (BET-TTF) with the octahedral anions hexacyanoferrate(III) and nitroprusside. The first kappa phase in the BET-TTF family. <i>Inorganic Chemistry</i> , 2001 , 40, 3526-33	5.1	38
162	Double Exchange in Orbitally Degenerate Mixed Valence Clusters: Magnetic Anisotropy, Vibronic Effects 2001 , 111-122		1

161	Molecular Materials from Polyoxometalates 2001 , 231-253		1
160	Hybrid molecular magnets obtained by insertion of decamethyl-metalocenium cations into layered, bimetallic oxalate complexes. <i>Chemistry - A European Journal</i> , 2000 , 6, 552-63	4.8	190
159	Anisotropic double exchange in orbitally degenerate mixed valence systems. <i>Chemical Physics</i> , 2000 , 254, 275-285	2.3	18
158	Coexistence of ferromagnetism and metallic conductivity in a molecule-based layered compound. <i>Nature</i> , 2000 , 408, 447-9	50.4	1172
157	Hybrid Organic/Inorganic Magnets. <i>MRS Bulletin</i> , 2000 , 25, 52-57	3.2	36
156	Design of molecular materials combining magnetic, electrical and optical properties. <i>Dalton Transactions RSC</i> , 2000 , 3955-3961		83
155	Oxalato-bridged dinuclear complexes of Cr(III) and Fe(III): synthesis, structure, and magnetism of [(C ₂ H ₅) ₄ N] ₄ [MM'(ox)(NCS) ₈] with MM' = CrCr, FeFe, and CrFe. <i>Inorganic Chemistry</i> , 2000 , 39, 3771-6	5.1	44
154	Charge transfer salts of tetrathiafulvalene derivatives with magnetic iron(III) oxalate complexes: [TTF] ₇ [Fe(ox) ₃] ₂ ·4H ₂ O, [TTF] ₅ [Fe ₂ (ox) ₅]·2PhMe·2H ₂ O and [TMTTF] ₄ [Fe ₂ (ox) ₅]·PhCN·4H ₂ O (TMTTF = tetramethyltetrathiafulvalene). <i>Dalton Transactions RSC</i> , 2000 , 205-210		53
153	Hybrid molecular materials based upon the photochromic nitroprusside complex, [Fe(CN) ₅ NO] ²⁻ , and organic pi-electron donors. Synthesis, structure, and properties of the radical salt [TTF] ₇ [Fe(CN) ₅ NO] ₂ (TTF = tetrathiafulvalene). <i>Inorganic Chemistry</i> , 2000 , 39, 5394-7	5.1	29
152	Delocalized TCNQ stacks in nickel and copper tetraazamacrocyclic systems. <i>Inorganic Chemistry</i> , 2000 , 39, 2837-42	5.1	31
151	Molecular materials based upon organic donors and magnetic anions. <i>European Physical Journal Special Topics</i> , 2000 , 10, Pr3-35-Pr3-40		3
150	Hybrid Materials Formed by Two Molecular Networks. Towards Multiproperty Materials. <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 334, 679-691		11
149	Localisation vs. delocalisation in the dimeric mixed-valence clusters in the generalised vibronic model. Magnetic manifestations. <i>Chemical Physics</i> , 1999 , 240, 149-161	2.3	28
148	Magnetic clusters from polyoxometalate complexes. <i>Coordination Chemistry Reviews</i> , 1999 , 193-195, 361-394	23.2	308
147	Increasing the Nuclearity of Magnetic Polyoxometalates. Syntheses, Structures, and Magnetic Properties of Salts of the Heteropoly Complexes [Ni ₃ (H ₂ O) ₃ (PW ₁₀ O ₃₉)H ₂ O] ⁷⁻ , [Ni ₄ (H ₂ O) ₂ (PW ₉ O ₃₄) ₂] ¹⁰⁻ , and [Ni ₉ (OH) ₃ (H ₂ O) ₆ (HPO ₄) ₂ (PW ₉ O ₃₄) ₃] ¹⁶⁻ . <i>Inorganic Chemistry</i> , 1999 , 38, 55-63	5.1	230
146	A molecular chemical approach to the magnetic multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 196-197, 558-560	2.8	10
145	Increasing the Coercivity in Layered Molecular-based Magnets A[M ^{II} M ^{III} (ox) ₃] (M ^{II} = Mn, Fe, Co, Ni, Cu; M ^{III} = Cr, Fe; ox = oxalate; A = organic or organometallic cation). <i>Advanced Materials</i> , 1999 , 11, 558-564	5.1	89
144	High-Nuclearity Magnetic Clusters: Generalized Spin Hamiltonian and Its Use for the Calculation of the Energy Levels, Bulk Magnetic Properties, and Inelastic Neutron Scattering Spectra. <i>Inorganic Chemistry</i> , 1999 , 38, 6081-6088	5.1	556

143	Magnetic Excitations in Polyoxometalate Clusters Observed by Inelastic Neutron Scattering: Evidence for Ferromagnetic Exchange Interactions and Spin Anisotropy in the Tetrameric Nickel(II) Cluster $[\text{Ni}_4(\text{H}_2\text{O})_2(\text{PW}_9\text{O}_{34})_2]^{10-}$ and Comparison with the Magnetic Properties. <i>Journal of the American Chemical Society</i> , 1999 , 121, 10021-10027	16.4	70
142	Molecular conductors based upon TTF-type donors and octahedral magnetic complexes. <i>Synthetic Metals</i> , 1999 , 103, 2279-2282	3.6	34
141	Magnetic conductors. Current approaches and achievements. <i>Synthetic Metals</i> , 1999 , 103, 2339-2342	3.6	14
140	Molecular hybrids formed by oxalate bridged dinuclear anions and organometallic cations. <i>Synthetic Metals</i> , 1999 , 102, 1753-1754	3.6	4
139	Radical cation salts based on BEDT-TTF and the paramagnetic anion $[\text{Cr}(\text{NCS})_6]^{3-}$. <i>Synthetic Metals</i> , 1999 , 102, 1755-1756	3.6	9
138	Magnetic LB films based upon polyoxometalate clusters and single molecule nanomagnets. <i>Synthetic Metals</i> , 1999 , 103, 2263-2264	3.6	4
137	Hybrid molecular magnets incorporating organic donors and other electroactive molecules. <i>Synthetic Metals</i> , 1999 , 102, 1459-1460	3.6	12
136	Magnetic Excitations in Polyoxometalate Clusters Observed by Inelastic Neutron Scattering: Evidence for Anisotropic Ferromagnetic Exchange Interactions in the Tetrameric Cobalt(II) Cluster $[\text{Co}_4(\text{H}_2\text{O})_2(\text{PW}_9\text{O}_{34})_2]^{10-}$. Comparison with the Magnetic and Specific Heat Properties. <i>Journal of the American Chemical Society</i> , 1999 , 121, 10028-10034	16.4	91
135	Hybrid Materials Formed by Two Molecular Networks. Magnetic Conductors, Magnetic Multi-Layers and Magnetic Films 1999 , 291-311		3
134	Increasing the Coercivity in Layered Molecular-based Magnets $\text{A}[\text{MIIIMIII}(\text{ox})_3]$ (MII = Mn, Fe, Co, Ni, Cu; MIII = Cr, Fe; ox = oxalate; A = organic or organometallic cation) 1999 , 11, 558		2
133	High nuclearity mixed-valence magnetic clusters: theoretical study of the spin coupling in the C_6O_2 Fulleride ion. <i>Chemical Physics Letters</i> , 1998 , 283, 363-367	2.5	5
132	Anisotropic exchange coupling in the Keggin derivative $\text{K}_8[\text{Co}_2(\text{D}_2\text{O})(\text{W}_{11}\text{O}_{39})] \cdot n \text{D}_2\text{O}$. <i>Chemical Physics Letters</i> , 1998 , 289, 224-230	2.5	26
131	Exchange transfer in high-nuclearity mixed valence magnetic clusters: Theoretical approach and expected manifestations. <i>Chemical Physics</i> , 1998 , 226, 231-251	2.3	6
130	Kinetic exchange Hamiltonian for orbitally degenerate ions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 238, 164-168	2.3	4
129	Polyoxometalates in Langmuir-Blodgett films: toward new magnetic materials. <i>Thin Solid Films</i> , 1998 , 327-329, 439-442	2.2	27
128	Langmuir-Blodgett Films of Single-Molecule Nanomagnets. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2842-2845	16.4	109
127	Magnetic clusters and conducting molecular materials from polyoxometalates. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 1998 , 1, 305-317		1
126	Radical salts of the organic donor BET-TTF with polyoxometalate clusters. <i>Journal of Materials Chemistry</i> , 1998 , 8, 313-317		30

125	Hybrid molecular materials based on organic molecules and the inorganic magnetic cluster [M ₄ (H ₂ O) ₂ (PW ₉ O ₃₄) ₂] ₁₀ (M ₂ =Co, Mn). <i>Journal of Materials Chemistry</i> , 1998 , 8, 309-312		28
124	Magnetic Exchange between Orbitally Degenerate Ions: A New Development for the Effective Hamiltonian. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 200-213	2.8	44
123	Hybrid Molecular Materials Based upon Magnetic Polyoxometalates and Organic π -Electron Donors: Syntheses, Structures, and Properties of Bis(ethylenedithio)tetrathiafulvalene Radical Salts with Monosubstituted Keggin Polyoxoanions. <i>Journal of the American Chemical Society</i> , 1998 , 120, 4671-4681	16.4	129
122	Polyoxometalate-Based Molecular Materials. <i>Chemical Reviews</i> , 1998 , 98, 273-296	68.1	881
121	Charge Transfer Salts Based on Polyoxometalates and Seleno-Substituted Organic Donors. Synthesis, Structure, and Magnetic Properties of (BEST) ₃ H[PMo(12)O(40)].CH(3)CN.CH(2)Cl(2) (BEST = Bis(ethylenediseleno)tetrathiafulvalene). <i>Inorganic Chemistry</i> , 1998 , 37, 2183-2188	5.1	45
120	Vibronic Localization of the Electronic Pair in Polynuclear Mixed-Valence Polyoxometalates*. <i>Zeitschrift Fur Physikalische Chemie</i> , 1997 , 201, 189-196	3.1	1
119	Electron Delocalization and magnetic Interactions in Magnetic Molecular Systems. Theory and Applications. <i>Molecular Crystals and Liquid Crystals</i> , 1997 , 306, 209-218		4
118	Magnetic Excitations in Tetrameric Clusters of Polyoxometalates Observed by Inelastic Neutron Scattering. Evidence for Anisotropic Exchange Interactions in Cobalt(II) Clusters. <i>Inorganic Chemistry</i> , 1997 , 36, 2244-2245	5.1	33
117	Intercalation of decamethylferrocenium cations in bimetallicoxalate-bridged two-dimensional magnets. <i>Chemical Communications</i> , 1997 , 1727-1728	5.8	132
116	Hybrid Molecular Materials Formed by Magnetic and Conducting Networks Based on Inorganic Metal Complexes and Organic Donors. <i>Molecular Crystals and Liquid Crystals</i> , 1997 , 305, 543-552		2
115	Toward New Organic/Inorganic Superlattices: Keggin Polyoxometalates in Langmuir and Langmuir-Blodgett Films. <i>Langmuir</i> , 1997 , 13, 2340-2347	4	177
114	Hybrid molecular materials having conducting and magnetic networks: Charge transfer salts based on organic donor molecules and inorganic magnetic clusters.. <i>Synthetic Metals</i> , 1997 , 85, 1647-1650	3.6	12
113	A new family of hybrid materials formed by TTF layers and oxalato-bridged bimetallic magnetic clusters.. <i>Synthetic Metals</i> , 1997 , 85, 1677-1678	3.6	4
112	Magnetic transition metal complexes of tetrathiafulvalene (TTF) derivatives. <i>Synthetic Metals</i> , 1997 , 86, 1807-1808	3.6	4
111	TCNQ radical salts containing magnetic complexes: Different interaction modes of TCNQ with Copper tetraazamacrocycles. <i>Synthetic Metals</i> , 1997 , 86, 1833-1834	3.6	5
110	A general approach for the calculation of the energy levels and the inelastic neutron scattering cross-section of highly nuclear magnetic clusters. <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 746-748	2.8	
109	Magnetic excitations in polyoxometalate tetrameric clusters. <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 764-765	2.8	6
108	Application of the Langmuir-Blodgett Technique to Polyoxometalates: Towards New Magnetic Films. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1114-1116		164

107	Magnetic molecular metals based on the organic donor molecule BET (BET = Bis(ethylenethio)tetrathiafulvalene): The series BET ₂ [MCl ₄] (M ³⁺ = Ga, Fe). <i>Advanced Materials</i> , 1997 , 9, 984-987	24	60
106	Anwendung der Langmuir-Blodgett-Technik auf Polyoxometallate: auf dem Weg zu neuartigen magnetischen Filmen. <i>Angewandte Chemie</i> , 1997 , 109, 1143-1145	3.6	14
105	Alternating antiferromagnetic and ferromagnetic exchange interactions in the S = 1 Heisenberg chain. Theory and magnetic properties. <i>Chemical Physics Letters</i> , 1997 , 275, 79-84	2.5	21
104	Exchange Interactions I: Mechanisms 1996 , 65-84		13
103	Localization vs. Delocalization in Molecules and Clusters: Electronic and Vibronic Interactions in Mixed Valence Systems 1996 , 105-139		6
102	Magnetization measurements of clusters of Mn (II) at low temperature and high magnetic field. <i>European Physical Journal D</i> , 1996 , 46, 2115-2116		
101	Double exchange in polynuclear mixed-valence clusters. 1. General solution of the electronic problem. <i>Journal of Structural Chemistry</i> , 1996 , 37, 689-698	0.9	3
100	Double exchange in polynuclear mixed-valence clusters. 2. Iron-sulfur proteins [Fe ₄ S ₄] ⁺ and [Fe ₄ S ₄] ³⁺ . <i>Journal of Structural Chemistry</i> , 1996 , 37, 699-706	0.9	5
99	Hybrid molecular materials formed by alternating layers of bimetallic oxalate complexes and tetrathiafulvalene molecules: Synthesis, structure, and magnetic properties of TTF ₄ (Mn(H ₂ O) ₂)[Cr(ox) ₃] ₂ · 4 H ₂ O. <i>Advanced Materials</i> , 1996 , 8, 737-740	24	52
98	The first radical salt of the polyoxometalate cluster [P ₂ W ₁₈ O ₆₂] ⁶⁻ with bis(ethylenedithio)tetrathiafulvalene (ET): ET ₁₁ [P ₂ W ₁₈ O ₆₂] ⁶⁻ · 3H ₂ O. <i>Advanced Materials</i> , 1996 , 8, 801-803	24	37
97	Exchange-transfer in mixed-valence clusters with one migrating hole. <i>Chemical Physics Letters</i> , 1996 , 249, 7-14	2.5	10
96	Exchange-transfer in polynuclear mixed-valence clusters with one delocalized electron. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996 , 220, 342-350	2.3	5
95	High-nuclearity mixed-valence magnetic clusters: A general solution of the double exchange problem. <i>Journal of Chemical Physics</i> , 1996 , 105, 6892-6909	3.9	40
94	The Design of Molecular Materials with Coexistence of Magnetic and Conducting Properties 1996 , 281-298		8
93	Electron delocalization in asymmetric trimeric mixed-valence clusters. <i>Journal of Structural Chemistry</i> , 1995 , 36, 593-605	0.9	1
92	Mixed-valence polyoxometalate clusters. I. Delocalization of electronic pairs in dodecanuclear heteropoly blues with keggin structure. <i>Chemical Physics</i> , 1995 , 195, 1-15	2.3	73
91	Electronic structure of high-nuclearity mixed-valence clusters. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 197-198	2.8	6
90	Magnetic and vibronic interactions in mixed-valence clusters: A general approach based on the angular momentum theory. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 1807-1808	2.8	5

89	High-nuclearity magnetic clusters: Magnetic interactions in clusters encapsulated by molecular metal oxides. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 1809-1810	2.8	2
88	High Nuclearity Mixed-Valence Clusters. Theoretical Approaches. <i>Molecular Crystals and Liquid Crystals</i> , 1995 , 274, 193-198		4
87	Molecular Materials Coupling Localized Magnetic Moments and Delocalized Electrons. <i>Molecular Crystals and Liquid Crystals</i> , 1995 , 274, 89-97		4
86	Magnetic properties of BEDT-TTF radical ion salts with Keggin type polyoxometalates. <i>Synthetic Metals</i> , 1995 , 70, 783-784	3.6	13
85	Exchange Alternation and Single-ion Anisotropy in The Antiferromagnetic Heisenberg Chain $S = 1$. Magnetic and Thermal Properties of the Compound $\text{Ni}_2(\text{EDTA}) \cdot 6\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 1995 , 34, 2699-2704	5.1	51
84	Coexistence of Magnetic and Delocalized Electrons in Hybrid Molecular Materials. The Series of Organic-Inorganic Radical Salts $(\text{BEDT-TTF})_8[\text{XW}_{12}\text{O}_{40}](\text{solv})_n$ ($X = 2(\text{H}^+)$, BIII, SiIV, CuII, CoII, and FeIII; solv = H_2O , CH_3CN). <i>Inorganic Chemistry</i> , 1995 , 34, 4139-4151	5.1	117
83	$[(\text{Co}(\text{H}_2\text{O})_4)_2(\text{H}_2\text{W}_{12}\text{O}_{42})]_n^{6n-}$: A Novel Chainlike Heteropolyanion Formed by Paradodecatungstate and Cobalt(II) Ions. <i>Inorganic Chemistry</i> , 1995 , 34, 524-526	5.1	83
82	Polycxometalates: From Magnetic Clusters to Molecular Materials. <i>Comments on Inorganic Chemistry</i> , 1995 , 17, 255-281	3.9	92
81	Synthesis, magnetic and mass spectrometric studies on dinuclear complexes based on Schiff-base triazolic ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995 , 2305-2310		8
80	Ein aus Keggin-Einheiten aufgebautes, kettenartiges Heteropolyanion: Synthese und Struktur von $(\text{ET})_8\text{n}[\text{PMnW}_{11}\text{O}_{39}]_n \cdot 2\text{nH}_2\text{O}$. <i>Angewandte Chemie</i> , 1995 , 107, 1601-1603	3.6	23
79	A Novel Chainlike Heteropolyanion Formed by Keggin Units: Synthesis and Structure of $(\text{ET})_8\text{n}[\text{PMnW}_{11}\text{O}_{39}]_n \cdot 2\text{nH}_2\text{O}$. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1460-1462		195
78	Mixed-valence polyoxometalate clusters. II. Delocalization of electronic pairs in 18-site heteropoly blues with Wells-Dawson structure. <i>Chemical Physics</i> , 1995 , 195, 17-28	2.3	42
77	Mixed-valence polyoxometalate clusters. III. Vibronic problem for the 2-electron reduced heteropoly blue with the Keggin structure. <i>Chemical Physics</i> , 1995 , 195, 29-47	2.3	39
76	Magnetic properties of Mn(III)Mn(IV) mixed-valence dimers in a dynamic vibronic model. <i>Journal of Structural Chemistry</i> , 1994 , 35, 447-453	0.9	
75	Electronic and vibronic states of an asymmetric trimeric mixed-valence cluster. <i>Journal of Structural Chemistry</i> , 1994 , 35, 454-464	0.9	1
74	Semiclassical approximation in the magnetic problem of exchange-coupled mixed valence clusters. <i>Chemical Physics Letters</i> , 1994 , 217, 525-530	2.5	23
73	Coexistence of Mobile and Localized Electrons in Bis(ethylene)dithiotetrathiafulvalene (BEDT-TTF) Radical Salts with Paramagnetic Polyoxometalates: Synthesis and Physical Properties of $(\text{BEDT-TTF})_8[\text{CoW}_{12}\text{O}_{40}] \cdot 5.5 \text{H}_2\text{O}$. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 223-226		99
72	High nuclearity magnetic clusters: Magnetic properties of a nine cobalt cluster encapsulated in a polyoxometalate, $[\text{Co}_9(\text{OH})_3(\text{H}_2\text{O})_6(\text{HPO}_4)_2(\text{PW}_9\text{O}_{34})_3]^{16-}$. <i>Advanced Materials</i> , 1994 , 6, 221-223	24	66

71	Koexistenz mobiler und lokalisierter Elektronen in Salzen des Bis(ethylen)dithiotetrafulvalen-Radikals (BEDT-TTF) mit paramagnetischen Polyoxometallaten: Synthese und physikalische Eigenschaften von (BEDT-TTF) ₈ [CoW ₁₂ O ₄₀] ₅ ·5H ₂ O. <i>Angewandte Chemie</i> , 1994 , 106, 234-236	3.6	10
70	Single-Crystal X-ray Structure and Magnetic Properties of the Polyoxotungstate Complexes Na ₁₆ [M ₄ (H ₂ O) ₂ (P ₂ W ₁₅ O ₅₆) ₂] _n ·nH ₂ O (M = MnII, n = 53; M = NiII, n = 52): An Antiferromagnetic MnII Tetramer and a Ferromagnetic NiII Tetramer. <i>Inorganic Chemistry</i> , 1994 , 33, 4016-4022	5.1	146
69	Alternating Chains with Ferromagnetic and Antiferromagnetic Interactions. Theory and Magnetic Properties. <i>Inorganic Chemistry</i> , 1994 , 33, 5171-5175	5.1	116
68	Coexistence of Alternating Ferromagnetic and Antiferromagnetic Intermolecular Interactions in Organic Compounds. Synthesis, Structure, Thermal Stability, and Magnetic Properties of 2,4-Hexadiynylenedioxybis[2-(p-phenylene)-4,4,5,5-tetramethyl-4,5-dihydro-1H-imidazol-1-oxyl] Diradical. <i>Chemistry of Materials</i> , 1994 , 6, 2398-2411	9.6	11
67	Molecular Magnetic Materials from Polyoxometalates. <i>Topics in Molecular Organization and Engineering</i> , 1994 , 233-243		6
66	A tetranuclear rhomblike cluster of manganese(II). Crystal structure and magnetic properties of the heteropoly complex K ₁₀ [Mn ₄ (H ₂ O) ₂ (PW ₉ O ₃₄) ₂] _n ·20H ₂ O. <i>Inorganic Chemistry</i> , 1993 , 32, 3378-3381	5.1	116
65	Crystal structure and magnetic properties of K _{5.5} Na _{1.5} [PW ₁₀ Cu ₂ (H ₂ O) ₂ O ₃₈] _n ·13H ₂ O. Substituted Keggin heteropolytungstates of the type PW ₁₀ Cu ₂ containing exchange-coupled copper pairs. <i>Inorganic Chemistry</i> , 1993 , 32, 89-93	5.1	33
64	An organic-inorganic salt containing mixed-valence TTF chains and the molecular metal oxide cluster [Mo ₈ O ₂₆] _n . Preliminary spectroscopic, conducting and magnetic properties of the compound (TTF) ₇ Mo ₈ O ₂₆ . <i>Synthetic Metals</i> , 1993 , 56, 1787-1790	3.6	17
63	Organic-inorganic salts made by TTF and magnetic clusters. <i>Synthetic Metals</i> , 1993 , 56, 2023-2027	3.6	16
62	[MnM(egta)] _n ·8H ₂ O (M = Mn, Cd): A Novel Type of Two-Dimensional Magnetic Lattice. <i>Angewandte Chemie International Edition in English</i> , 1993 , 32, 561-563		18
61	[MnM(egta)] _n ·8H ₂ O (M = Mn, Cd): Verbindungen mit einem neuartigen zweidimensionalen magnetischen Gitter. <i>Angewandte Chemie</i> , 1993 , 105, 637-639	3.6	2
60	First tetrathiafulvalene (TTF) cation-radical salt containing the inorganic polyoxometalate [Mo ₈ O ₂₆] _n . <i>Advanced Materials</i> , 1993 , 5, 283-285	24	40
59	Magnetic mixed-valence d ² -d ¹ -d ¹ trimers with partial electron delocalization: vibronic coupling and magnetic properties. <i>Chemical Physics</i> , 1993 , 177, 1-14	2.3	19
58	Electron transfer in mixed-valence tetranuclear iron clusters. Orbital effects and magnetic properties. <i>Chemical Physics</i> , 1993 , 177, 15-22	2.3	9
57	Single-crystal EPR study of the bimetallic ferrimagnetic chain MnCu(EDTA) _n ·6H ₂ O. <i>Inorganica Chimica Acta</i> , 1993 , 207, 105-109	2.7	9
56	Molecular magnetic materials from polyoxometalates. <i>Molecular Engineering</i> , 1993 , 3, 171-181		2
55	FERRIMAGNETIC CHAINS: MODELS AND MATERIALS 1993 , 27-66		15
54	Anisotropic exchange and dimerization in the ordered bimetallic chains Co ₂ (EDTA) _n ·6H ₂ O and CoCu(EDTA) _n ·6H ₂ O. Single-crystal EPR investigation. <i>Inorganic Chemistry</i> , 1992 , 31, 294-298	5.1	21

53	Magnetic studies of ordered and disordered NbFeO ₄ phases. <i>Journal of Alloys and Compounds</i> , 1992 , 188, 234-236	5.7	2
52	Studies on the reactivity of S,N-derivatives of nickel with N-donor bases. Crystal structure and magnetic properties of the cubane cluster tetrakis(μ -hydroxo)tetrakis(μ -1,3-thiazolidine-2-thionato)tetrakis(pyridine)tetracobalt(II)-dipyridine. <i>Inorganic Chemistry</i> , 1992 , 31, 2053-2058	5.1	65
51	Magnetic characterization of tetranuclear copper(II) and cobalt(II) exchange-coupled clusters encapsulated in heteropolyoxotungstate complexes. Study of the nature of the ground states. <i>Inorganic Chemistry</i> , 1992 , 31, 1667-1673	5.1	110
50	First ferromagnetic interaction in a heteropoly complex: [CoII ₄ O ₁₄ (H ₂ O) ₂ (PW ₉ O ₂₇) ₂] ₁₀ . Experiment and theory for intramolecular anisotropic exchange involving the four Co(II) atoms. <i>Journal of the American Chemical Society</i> , 1992 , 114, 10380-10383	16.4	101
49	Synthesis and magnetic characterization of trans-dichloroplatinum blues with creatinine. <i>Inorganica Chimica Acta</i> , 1992 , 201, 109-112	2.7	4
48	Role of the topology on the magnetic properties of mixed-valence trinuclear manganese clusters. <i>Physica B: Condensed Matter</i> , 1992 , 182, 18-26	2.8	17
47	Magnetic excitations in an exchange-coupled tetramer cluster of cobalt (II): a study by inelastic neutron scattering. <i>Physica B: Condensed Matter</i> , 1992 , 180-181, 238-240	2.8	18
46	Electron transfer in tetranuclear mixed-valence iron clusters. Role of the topology on the magnetic properties. <i>Chemical Physics</i> , 1992 , 166, 139-144	2.3	22
45	Spin frustration in one-dimensional magnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 104-107, 835-836	2.8	9
44	Thermal properties of the tetrahydrate series MtM(M'EDTA) ₂ ·4H ₂ O {Mt, M, M' = Co(II), Ni(II), Zn(II)}. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 104-107, 837-838	2.8	
43	Magnetic properties of mixed-valence tetranuclear iron clusters: electron transfer versus exchange interactions. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 104-107, 955-956	2.8	6
42	A Novel Polyoxotungstate Containing a triangulo Ni Cluster with Ferromagnetic Exchange Interactions and an S = 3 Ground State. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 649-651		60
41	Ein neuartiges Polyoxowolframat mit einem triangulo-NiIII-Cluster mit ferromagnetischen Austauschwechselwirkungen und einem S = 3-Grundzustand. <i>Angewandte Chemie</i> , 1992 , 104, 660-662	3.6	6
40	Classical-spin approach to a magnetic comb-like chain: application to the two-sublattice chain compound MnMn(CDTA)·7H ₂ O. <i>Chemical Physics Letters</i> , 1991 , 186, 410-414	2.5	10
39	Magnetic interactions and single-ion zero-field-splitting effects in the two-sublattice manganese chain MnMn(EDTA).n·9H ₂ O: magnetism and single-crystal EPR spectra. <i>Inorganic Chemistry</i> , 1991 , 30, 947-950	5.1	24
38	From 1-D to 3-D ferrimagnets in the EDTA family: magnetic characterization of the tetrahydrate series MtM(M'EDTA) ₂ ·4H ₂ O [Mt, M, M' = cobalt(II), nickel(II), zinc(II)]. <i>Journal of the American Chemical Society</i> , 1991 , 113, 7940-7944	16.4	26
37	The EDTA Family of Molecular Based Ferromagnets 1991 , 267-279		9
36	1D ferrimagnetism in homometallic chains. <i>Journal of Applied Physics</i> , 1990 , 67, 6009-6010	2.5	5

- 35 The ferrimagnetic compounds $\text{CoM}[\text{M}(\text{EDTA})]_2 \cdot 4\text{H}_2\text{O}$ (M, M' = Co, Ni): Magnetic characterization of $\text{CoCo}[\text{Ni}(\text{EDTA})_2] \cdot 4\text{H}_2\text{O}$. *Journal of Applied Physics*, **1990**, 67, 6003-6005 2.5 5
- 34 Magnetism and EPR spectra of the two-sublattice manganese chain $\text{Mn}_2(\text{EDTA}) \cdot 9\text{H}_2\text{O}$. *Journal of Applied Physics*, **1990**, 67, 6006-6008 2.5 5
- 33 Magnetic exchange interactions in the heteropoly complexes $[\text{M}_4(\text{H}_2\text{O})_2(\text{PW}_9\text{O}_{34})_2]_{10}$ [M = Co(II) and Cu(II)]. *Journal of Applied Physics*, **1990**, 67, 5995-5997 2.5 19
- 32 1D antiferromagnetism in spin-alternating bimetallic chains. *Journal of Applied Physics*, **1990**, 67, 6001-6002 9
- 31 Mixed-valence trinuclear manganese clusters: Influence of the electronic transfer on the magnetic properties. *Journal of Applied Physics*, **1990**, 67, 5992-5994 2.5 23
- 30 Ferrimagnetic Heisenberg chains. *Physical Review B*, **1989**, 40, 10992-10998 3.3 82
- 29 Magnetic Characterization of the Ferrimagnetic Compounds $\text{CoM}(\text{M}'\text{EDTA})_2 \cdot 4\text{H}_2\text{O}$ (M, M' = Co, Ni). *Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics*, **1989**, 176, 507-511 1
- 28 Low-temperature investigation of the ferrimagnetic chains $\text{MnM}'(\text{EDTA}) \cdot 6\text{H}_2\text{O}$ [M' = cobalt, nickel, and copper(II)]: thermal and magnetic properties. *Journal of the American Chemical Society*, **1989**, 111, 3874-3880 16.4 46
- 27 Bimetallic compounds of trans-cyclohexane-1,2-diamine-NNN'-tetra-acetate (cdta). Part 3. Structural and magnetic characterization of the dinuclear $[\text{M}(\text{OH}_2)_5][\text{M}'(\text{cdta})]\text{H}_2\text{O}$ (M, M' = Ni, Ni; Mn, Ni; Mn, Cu; Co, Ni; or Co, Cu) and the tetranuclear $[\text{M}(\text{OH}_2)_4][\text{M}'(\text{cdta})(\text{OH}_2)]_2 \cdot 4\text{H}_2\text{O}$ (M, M' = Zn, Zn; Zn, Ni; Co, Co; or Mn, Co) complexes. *Journal of the Chemical Society Dalton Transactions*, **1989**, 863-871 15
- 26 Crystal structure and magnetic properties of 1-aqua- μ -hydroxo-1,2,2-tris(perchlorato)-1,2-bis(2,2',6',2''-terpyridine)dycopper(II). *Journal of the Chemical Society Dalton Transactions*, **1989**, 237-241 14
- 25 Anisotropic exchange in the cobalt-cobalt and cobalt-copper dinuclear EDTA hydrate $(\text{Co}_2(\text{EDTA}) \cdot 6\text{H}_2\text{O}, \text{CoCu}(\text{EDTA}) \cdot 6\text{H}_2\text{O})$ bimetallic ordered chains. Low temperature investigation of the thermal and magnetic properties. *Journal of the American Chemical Society*, **1988**, 110, 3907-3913 16.4 78
- 24 Extremely weak magnetic exchange interactions in terpy-containing copper(II) dimer. Crystal and molecular structure of $\text{Cu}(\text{terpy})(\text{CA}) \cdot \text{H}_2\text{O}$ and $[\text{Cu}_2(\text{terpy})_2(\text{CA})](\text{PF}_6)_2$ complexes (terpy = 2,2':6',2''-terpyridine, CA = dianion of chloranilic acid). *Inorganic Chemistry*, **1988**, 27, 19-26 5.1 77
- 23 Crystal structure and magnetic properties of the complex $[\text{Cu}(\text{en})_2]_2\{[\text{Fe}(\text{edta})_2\text{O}]\}_2 \cdot 2\text{H}_2\text{O}$. A heterobimetallic $\text{CuII} \parallel \text{FeIII}$ system containing a μ -oxo-di-iron(III) moiety. *Journal of the Chemical Society Dalton Transactions*, **1988**, 2747-2751 12
- 22 Crystal structures and magnetic properties of the mono- μ -halogeno-bridged copper(II) chains $\text{Cu}(\text{pcpci})\text{X}$ [pcpci = N-(2'-pyridylcarbonyl)pyridine-2-carboximidate, X = Cl or Br]. *Journal of the Chemical Society Dalton Transactions*, **1988**, 3041-3045 39
- 21 Low-dimensional magnetic systems; from 1D to 3D ferrimagnets. *Journal of Applied Physics*, **1988**, 63, 3551-3553 2.5 61
- 20 ALTERNATING EXCHANGE IN FERRIMAGNETIC ISING CHAINS. *Journal De Physique Colloque*, **1988**, 49, C8-1423-C8-1424 3
- 19 Bimetallic compounds of trans-cyclohexane-1,2-diamine-NNN'-tetra-acetate(cdta): structural and magnetic characterization of $[(\text{H}_2\text{O})_4\text{Cu}(\text{cdta})\text{Ni}]\text{H}_2\text{O}$ and $[(\text{H}_2\text{O})_5\text{Ni}(\text{cdta})\text{Cu}]\text{H}_2\text{O}$. *Journal of the Chemical Society Dalton Transactions*, **1987**, 1847-1851 13
- 18 Design of Low-Dimensional Ferrimagnetic Compounds: New Magnetic Lattices in the EDTA-Family. *NATO ASI Series Series B: Physics*, **1987**, 401-404 1

17	Low Temperature Investigation of the Thermal and Magnetic Properties of 1-d Ferrimagnetic Systems. <i>NATO ASI Series Series B: Physics</i> , 1987 , 405-408		1
16	Mixed-valence trinuclear cluster (2dn, dn+1); Influence of the electronic coupling on the magnetic properties. <i>Chemical Physics</i> , 1986 , 104, 73-81	2.3	31
15	Magnetic properties of ferrimagnetic chains. <i>Journal of Magnetism and Magnetic Materials</i> , 1986 , 54-57, 1507-1509	2.8	36
14	Spectroscopic and magnetic properties of Cu ₂ (terpy)Cl ₄ (terpy = 2,2',6',2'-terpyridine). A magnetic system constructed of two exchange-coupled dimers. <i>Journal of the Chemical Society Dalton Transactions</i> , 1986 , 1061-1064		11
13	Crystal structure and magnetic properties of the alternating chain [Cu ₂ (cdta)] _n H ₂ O. <i>Journal of the Chemical Society Dalton Transactions</i> , 1986 , 1795-1800		19
12	Low-dimensional bimetallic ordered systems: synthesis and characterization of the isomorphous series of the cobalt nickel complexes Co _x Ni _{2-x} EDTA.2H ₂ O. Crystal structure of Co ₂ EDTA.2H ₂ O and preferential site occupation in CoNiEDTA.H ₂ O. <i>Inorganic Chemistry</i> , 1986 , 25, 3171-3176	5.1	27
11	Structural and magnetic study of tetraaqua(EDTA)dinickel dihydrate [Ni ₂ (EDTA)(H ₂ O) ₄ ·2H ₂ O]. Alternating Lande factors in a two-sublattice 1D system. <i>Journal of the American Chemical Society</i> , 1986 , 108, 900-905	16.4	92
10	Ferrimagnetic Heisenberg chain; influence of a random exchange interaction. <i>Journal of Applied Physics</i> , 1985 , 57, 3353-3355	2.5	20
9	Spectroscopic and magnetic properties of a novel pyrazine-bridged copper(II) chain: [Cu(terpy)(pyz)](ClO ₄) ₂ . <i>Inorganica Chimica Acta</i> , 1984 , 82, 13-17	2.7	7
8	Random-exchange-coupled chain in the amorphous complex (ethylenediaminetetraacetato)dnicobalt hexahydrate (Co ₂ (EDTA).6H ₂ O): comparison with the crystallized complex. <i>Inorganic Chemistry</i> , 1984 , 23, 4000-4004	5.1	18
7	Amorphous chain complexes MM'(EDTA)(H ₂ O) ₄ .2H ₂ O. LAXS investigation of the local structure and magnetic behavior. <i>Journal of the American Chemical Society</i> , 1984 , 106, 2864-2869	16.4	21
6	Classical treatment of a heisenberg linear chain with spin alternation; application to the MnNi(EDTA)-6H ₂ O complex. <i>Chemical Physics</i> , 1983 , 79, 449-453	2.3	152
5	Magnetic Properties of Mixed-Valence Clusters: Theoretical Approaches and Applications 155-210		11
4	Quantum coherent spin-electric control in a molecular nanomagnet at clock transitions. <i>Nature Physics</i> ,	16.2	6
3	A thermally/chemically robust and easily regenerable anilato-based ultramicroporous 3D MOF for CO ₂ uptake and separation. <i>Journal of Materials Chemistry A</i> ,	13	3
2	Molecular Materials Combining Magnetic and Conducting Properties 105-159		1
1	Magnetic Properties of Mixed-Valence Clusters: Theoretical Approaches and Applications 155-210		1