

Andrew Ozarowski

List of Publications by Year in descending order

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3,171
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117625

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Symmetry-breaking phase transitions, dielectric and magnetic properties of pyrrolidinium-tetrahalidocobaltates. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2353-2364.	6.0	7
2	Homochiral Mn ³⁺ Spin-Crossover Complexes: A Structural and Spectroscopic Study. <i>Inorganic Chemistry</i> , 2022, 61, 3458-3471.	4.0	12
3	The Ising triangular-lattice antiferromagnet neodymium heptatantalate as a quantum spin liquid candidate. <i>Nature Materials</i> , 2022, 21, 416-422.	27.5	26
4	Magneto-structural Correlations in Ni ²⁺ "Halide-Halide" Ni ²⁺ Chains. <i>Inorganic Chemistry</i> , 2022, 61, 141-153.	4.0	2
5	Tuning of Cr-Cr Magnetic Exchange through Chalcogenide Linkers in Cr ₂ Molecular Dimers. <i>Inorganic Chemistry</i> , 2022, 61, 6160-6174.	4.0	1
6	Signature of a randomness-driven spin-liquid state in a frustrated magnet. <i>Communications Physics</i> , 2022, 5, .	5.3	7
7	Tale of Three Molecular Nitrides: Mononuclear Vanadium (V) and (IV) Nitrides As Well As a Mixed-Valence Trivanadium Nitride Having a V ₃ N ₄ Double-Diamond Core. <i>Journal of the American Chemical Society</i> , 2022, 144, 10201-10219.	13.7	3
8	Structural, spectroscopic insights, and antimicrobial properties of mononuclear and dinuclear metal(II) carboxylate derivatives with metronidazole. <i>Polyhedron</i> , 2021, 194, 114931.	2.2	5
9	Investigation of vanadium(III) and vanadium(IV) compounds supported by the linear diaminebis(phenolate) ligands: correlation between structures and magnetic properties. <i>Dalton Transactions</i> , 2021, 50, 5184-5196.	3.3	2
10	Expanding manganese(IV) aqueous chemistry: unusually stable water-soluble hexahydrazide clathrochelate complexes. <i>Chemical Communications</i> , 2021, 57, 11060-11063.	4.1	9
11	Controlling Magnetic Anisotropy in a Zero-Dimensional <i>S</i> = 1 Magnet Using Isotropic Cation Substitution. <i>Journal of the American Chemical Society</i> , 2021, 143, 4633-4638.	13.7	3
12	Effects of octahedral tilting on the site of substitution of manganese in CaTiO ₃ . <i>Acta Materialia</i> , 2021, 207, 116688.	7.9	9
13	High-Frequency and -Field Electron Paramagnetic Resonance Spectroscopic Analysis of Metal-Ligand Covalency in a 4f ⁷ Valence Series (Eu ²⁺ , Gd ³⁺ , and Tm ³⁺). <i>Journal of the American Chemical Society</i> , 2021, 143, 10201-10219.	13.7	3
14	o-Semiquinone radical anion isolated as an amorphous porous solid. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 17408-17419.	2.8	5
15	Non-traditional thermal behavior of Co(II) coordination networks showing slow magnetic relaxation. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4356-4366.	6.0	7
16	Ferro- vs. antiferromagnetic exchange between two Ni(II) ions in a series of Schiff base heterometallic complexes: what makes the difference?. <i>Dalton Transactions</i> , 2021, 50, 2841-2853.	3.3	5
17	Electronic Structure and Magnetic Properties of a Low-Spin Cr(II) Complex: trans-[CrCl ₂ (dmpe) ₂] (dmpe) = 1,1'-bis(diphenylphosphino)ethane. <i>Journal of the American Chemical Society</i> , 2021, 143, 4633-4638.	4.0	2
18	Nitrene Photochemistry of Manganese N-Haloamides**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26647-26655.	13.8	7

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19	Nitrene Photochemistry of Manganese N^{III} -Haloamides**. <i>Angewandte Chemie</i> , 2021, 133, 26851-26859.	2.0	2
20	Advanced Paramagnetic Resonance Studies on Manganese and Iron Corroles with a Formal $d^{4\text{e}}$ Electron Count. <i>Inorganic Chemistry</i> , 2020, 59, 1075-1090.	4.0	24
21	Synthesis, spectroscopic, structural and antimicrobial studies of a dimeric complex of copper(II) with trichloroacetic acid and metronidazole. <i>Inorganica Chimica Acta</i> , 2020, 503, 119404.	2.4	13
22	Ferromagnetically-coupled, triangular, $[\text{Bu}_4\text{N}]_2[\text{CuI}_3(\text{Br})_2(\text{4-O}_2\text{N-pz})_3\text{Br}_3]$ complex revisited: The effect of coordinated halides on spin relaxation properties. <i>Polyhedron</i> , 2020, 177, 114258.	2.2	1
23	A Mononuclear and High-Spin Tetrahedral Ti^{II} Complex. <i>Inorganic Chemistry</i> , 2020, 59, 17834-17850.	4.0	12
24	Model Dimeric Manganese(IV) Complexes Featuring Terminal Tris-hydroxotetraazaadamantane and Various Bridging Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 10768-10784.	4.0	8
25	Probing the Magnetic Anisotropy of Co(II) Complexes Featuring Redox-Active Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 16178-16193.	4.0	22
26	Slow magnetic relaxation in hexacoordinated cobalt(II) field-induced single-ion magnets. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2637-2650.	6.0	24
27	Valence tautomerism in a cobalt-verdazyl coordination compound. <i>Chemical Communications</i> , 2020, 56, 4400-4403.	4.1	18
28	Enhancing easy-plane anisotropy in bespoke Ni(II) quantum magnets. <i>Polyhedron</i> , 2020, 180, 114379.	2.2	10
29	Mn(III) Chain Coordination Polymers Assembled by Salicylidene-2-ethanolamine Schiff Base Ligands: Synthesis, Crystal Structures, and HFPR Study. <i>Crystal Growth and Design</i> , 2020, 20, 1491-1502.	3.0	5
30	Electronic Structure and Magnetic Properties of a Titanium(II) Coordination Complex. <i>Inorganic Chemistry</i> , 2020, 59, 6187-6201.	4.0	7
31	Characterization of a Mixed-Valence Ru(II)/Ru(III) Ion-Pair Complex. Unexpected High-Frequency Electron Paramagnetic Resonance Evidence for Ru(III) \leftrightarrow Ru(III) Dimer Coupling. <i>Inorganic Chemistry</i> , 2020, 59, 8609-8619.	4.0	8
32	Near-ideal molecule-based Haldane spin chain. <i>Physical Review Research</i> , 2020, 2, .	3.6	9
33	Determining the anisotropy and exchange parameters of polycrystalline spin-1 magnets. <i>New Journal of Physics</i> , 2019, 21, 093025.	2.9	7
34	Dinuclear manganese(III) complexes with bioinspired coordination and variable linkers showing weak exchange effects: a synthetic, structural, spectroscopic and computation study. <i>Dalton Transactions</i> , 2019, 48, 5909-5922.	3.3	10
35	Murine Calprotectin Coordinates Mn(II) at a Hexahistidine Site with Ca(II)-Dependent Affinity. <i>Inorganic Chemistry</i> , 2019, 58, 13578-13590.	4.0	11
36	High-Field EPR Spectroscopic Characterization of Mn(II) Bound to the Bacterial Solute-Binding Proteins MntC and PsaA. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4929-4934.	2.6	7

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37	Slow Magnetic Relaxation in Cobalt(II) Field-Induced Single-Ion Magnets with Positive Large Anisotropy. <i>Inorganic Chemistry</i> , 2018, 57, 12740-12755.	4.0	41
38	Copper(II) Complexes with Bulky N-Substituted Diethanolamines: High-Field Electron Paramagnetic Resonance, Magnetic, and Catalytic Studies in Oxidative Cyclohexane Amidation. <i>Inorganic Chemistry</i> , 2018, 57, 12384-12397.	4.0	13
39	First crystal structures of oxo-bridged [Cr ^{III} Ta ^V] dinuclear complexes: spectroscopic, magnetic and theoretical investigations of the Cr=O-Ta core. <i>New Journal of Chemistry</i> , 2018, 42, 10912-10921.	2.8	8
40	Catalytic Nitrene Homocoupling by an Iron(II) Bis(alkoxide) Complex: Bulking Up the Alkoxide Enables a Wider Range of Substrates and Provides Insight into the Reaction Mechanism. <i>Inorganic Chemistry</i> , 2018, 57, 9425-9438.	4.0	20
41	Dinuclear Metallacycles with Single M-X Bridges (X = Cl, Br; M = Fe(II), Tj ETQq1 1 0.784314) <i>Chemistry</i> , 2017, 56, 2884-2901.	4.0	20
42	Field-Assisted Slow Magnetic Relaxation in a Six-Coordinate Co(II)-Co(III) Complex with Large Negative Anisotropy. <i>Inorganic Chemistry</i> , 2017, 56, 6999-7009.	4.0	54
43	Spectroscopic and Computational Studies of Spin States of Iron(IV) Nitrido and Imido Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 4751-4768.	4.0	41
44	Magnetic Properties of a Dinuclear Nickel(II) Complex with 2,6-Bis[(2-hydroxyethyl)methylaminomethyl]-4-methylphenolate. <i>Inorganic Chemistry</i> , 2017, 56, 138-146.	4.0	8
45	Experimental and Theoretical Investigation of the Anti-Ferromagnetic Coupling of Cr ^{III} Ions through Diamagnetic Nb ^V Bridges. <i>Inorganic Chemistry</i> , 2017, 56, 6879-6889.	4.0	16
46	Across the tree of life, radiation resistance is governed by antioxidant Mn ²⁺ , gauged by paramagnetic resonance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9253-E9260.	7.1	94
47	Controlled Dimerization of Mn ¹² Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2017, 56, 14755-14758.	4.0	7
48	HFEPR and Computational Studies on the Electronic Structure of a High-Spin Oxidoiron(IV) Complex in Solution. <i>Inorganic Chemistry</i> , 2016, 55, 3933-3945.	4.0	11
49	Synthesis and Characterization of a Stable High-Valent Cobalt Carbene Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 5531-5534.	13.7	43
50	Introducing Dimensionality to the Archetypical Mn ¹² Single-Molecule Magnet: a Family of [Mn ¹²] _n Chains. <i>Inorganic Chemistry</i> , 2016, 55, 1367-1369.	4.0	16
51	Metaal-Metal Interactions in Trinuclear Copper(II) Complexes [Cu ₃ (RCOO) ₄ (H ₂ TEA) ₂] and Binuclear [Cu ₂ (RCOO) ₂ (H ₂ TEA) ₂]. Syntheses and Combined Structural, Magnetic, High-Field Electron Paramagnetic Resonance, and Theoretical Studies. <i>Inorganic Chemistry</i> , 2015, 54, 11916-11934.	4.0	56
52	High-frequency and -field electron paramagnetic resonance of vanadium(IV, III, and II) complexes. <i>Coordination Chemistry Reviews</i> , 2015, 301-302, 123-133.	18.8	65
53	Syntheses, Structural, Magnetic, and Electron Paramagnetic Resonance Studies of Monobridged Cyanide and Azide Dinuclear Copper(II) Complexes: Antiferromagnetic Superexchange Interactions. <i>Inorganic Chemistry</i> , 2015, 54, 1487-1500.	4.0	28
54	Structural, spectroscopic, magnetic behavior and DFT investigations of l-tyrosinato nickel(II) coordination polymer. <i>New Journal of Chemistry</i> , 2015, 39, 6813-6822.	2.8	8

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55	Electronic Structure and Reactivity of a Well-Defined Mononuclear Complex of Ti(II). <i>Inorganic Chemistry</i> , 2015, 54, 10380-10397.	4.0	34
56	High-frequency and high-field electron paramagnetic resonance (HF-EPR): a new spectroscopic tool for bioinorganic chemistry. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 297-318.	2.6	74
57	Dinuclear Metallacycles with Single M-O(H)-M Bridges [M = Fe(II), Co(II), Ni(II), Cu(II)]: Effects of Large Bridging Angles on Structure and Antiferromagnetic Superexchange Interactions. <i>Inorganic Chemistry</i> , 2014, 53, 1975-1988.	4.0	24
58	Influence of nitrogen donor ligands on the coordination modes of copper(II) 2-nitrobenzoate complexes: structures, DFT calculations and magnetic properties. <i>New Journal of Chemistry</i> , 2014, 38, 437-447.	2.8	30
59	An unprecedented octanuclear copper core with C _{3i} symmetry and a paramagnetic ground state. <i>Chemical Communications</i> , 2014, 50, 3431.	4.1	22
60	Magnetic, high-field EPR studies and catalytic activity of Schiff base tetranuclear Cu ₂ Fe ₂ complexes obtained by direct synthesis. <i>Dalton Transactions</i> , 2013, 42, 16909.	3.3	30
61	NMR Investigations of Dinuclear, Single-Anion Bridged Copper(II) Metallacycles: Structure and Antiferromagnetic Behavior in Solution. <i>Inorganic Chemistry</i> , 2013, 52, 12741-12748.	4.0	15
62	Low-Spin Hexacoordinate Mn(III): Synthesis and Spectroscopic Investigation of Homoleptic Tris(pyrazolyl)borate and Tris(carbene)borate Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 144-159.	4.0	55
63	Dzyaloshinsky-Moriya interaction in vesignieite: A route to freezing in a quantum kagome antiferromagnet. <i>Physical Review B</i> , 2013, 88, .	3.2	57
64	Formation and Reactivity of the Terminal Vanadium Nitride Functionality. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3916-3929.	2.0	26
65	Vanadocene <i>de Novo</i> : Spectroscopic and Computational Analysis of Bis(η^5 -cyclopentadienyl)vanadium(II). <i>Organometallics</i> , 2012, 31, 8265-8274.	2.3	25
66	Novel Heterometallic Schiff Base Complexes Featuring Unusual Tetranuclear {Co ^{III} ₂ Fe ^{III} ₂ (μ_4 -O) ₆ } and Octanuclear {Co ^{III} ₄ Fe ^{III} ₄ (μ_4 -O) ₁₄ } Cores: Direct Synthesis, Crystal Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2012, 51, 386-396.	4.0	43
67	High-frequency and -field electron paramagnetic resonance of transition metal ion (d block) coordination complexes. <i>Electron Paramagnetic Resonance</i> , 2012, , 209-263.	0.2	31
68	Structure and Magnetic Behavior of Cu ^{II} MOFs Supported by 1,2,4-Triazolyl-Bifunctionalized Adamantane Scaffold. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5802-5813.	2.0	25
69	Copper(II) Carboxylate Dimers Prepared from Ligands Designed to Form a Robust π - π Stacking Synthone: Supramolecular Structures and Molecular Properties. <i>Inorganic Chemistry</i> , 2012, 51, 1068-1083.	4.0	89
70	Dinuclear Complexes Containing Linear M-O-M [M = Mn(II), Fe(II), Co(II), Ni(II), Cu(II), Zn(II), Cd(II)] Bridges: Trends in Structures, Antiferromagnetic Superexchange Interactions, and Spectroscopic Properties. <i>Inorganic Chemistry</i> , 2012, 51, 11820-11836.	4.0	71
71	Halide and Hydroxide Linearly Bridged Bimetallic Copper(II) Complexes: Trends in Strong Antiferromagnetic Superexchange Interactions. <i>Inorganic Chemistry</i> , 2012, 51, 7966-7968.	4.0	44
72	Role of Antisymmetric Exchange in Selecting Magnetic Chirality in $\text{Ba}_3\text{Nb}_2\text{O}_{14}$. <i>Physical Review Letters</i> , 2011, 107, 257203.	7.8	102

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73	Hydrogen Bonding of Tryptophan Radicals Revealed by EPR at 700 GHz. <i>Journal of the American Chemical Society</i> , 2011, 133, 18098-18101.	13.7	52
74	High-frequency and -field EPR and FDMRS study of the [Fe(H ₂ O) ₆] ²⁺ ion in ferrous fluorosilicate. <i>Journal of Magnetic Resonance</i> , 2011, 213, 158-165.	2.1	18
75	A new Cu/Zn carboxylato-bridged 1D polymer: Direct synthesis, X-ray structure and magnetic properties. <i>Inorganica Chimica Acta</i> , 2011, 373, 27-31.	2.4	11
76	Symmetric and antisymmetric exchange anisotropies in quasi-one-dimensional CuSe ₂ O ₅ as revealed by ESR. <i>Physical Review B</i> , 2011, 84, .	3.2	31
77	Atomic hydrogen as high-precision field standard for high-field EPR. <i>Journal of Magnetic Resonance</i> , 2010, 207, 158-163.	2.1	34
78	Family of V(III)-Tristhiolato Complexes Relevant to Functional Models of Vanadium Nitrogenase: Synthesis and Electronic Structure Investigations by Means of High-Frequency and -Field Electron Paramagnetic Resonance Coupled to Quantum Chemical Computations.. <i>Inorganic Chemistry</i> , 2010, 49, 977-988.	4.0	57
79	Cr ^{III} -Cr ^{III} Interactions in Two Alkoxo-Bridged Heterometallic Zn ₂ Cr ₂ Complexes Self-Assembled from Zinc Oxide, Reinecke's Salt, and Diethanolamine. <i>Inorganic Chemistry</i> , 2010, 49, 5460-5471.	4.0	42
80	Cobalt(II) Scorpionate Complexes as Models for Cobalt-Substituted Zinc Enzymes: Electronic Structure Investigation by High-Frequency and -Field Electron Paramagnetic Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 5241-5253.	13.7	66
81	Synthesis and spectroscopic investigations of four-coordinate nickel complexes supported by a strongly donating scorpionate ligand. <i>Inorganica Chimica Acta</i> , 2009, 362, 4449-4460.	2.4	39
82	High-Field EPR and Magnetic Susceptibility Studies on Binuclear and Tetranuclear Copper Trifluoroacetate Complexes. X-ray Structure Determination of Three Tetranuclear Quinoline Adducts of Copper(II) Trifluoroacetate. <i>Journal of the American Chemical Society</i> , 2009, 131, 10279-10292.	13.7	60
83	Direct Synthesis, Crystal Structure, High-Field EPR, and Magnetic Studies on an Octanuclear Heterometallic Cu(II)/Cd Complex of Triethanolamine. <i>Inorganic Chemistry</i> , 2009, 48, 11092-11097.	4.0	17
84	Structure of the Biliverdin Radical Intermediate in Phycocyanobilin:Ferredoxin Oxidoreductase Identified by High-Field EPR and DFT. <i>Journal of the American Chemical Society</i> , 2009, 131, 1986-1995.	13.7	38
85	The Zero-Field-Splitting Parameter $\langle i \rangle D \langle /i \rangle$ in Binuclear Copper(II) Carboxylates Is Negative. <i>Inorganic Chemistry</i> , 2008, 47, 9760-9762.	4.0	73
86	Determination by High-Frequency and -Field EPR of Zero-Field Splitting in Iron(IV) Oxo Complexes: Implications for Intermediates in Nonheme Iron Enzymes. <i>Inorganic Chemistry</i> , 2008, 47, 3483-3485.	4.0	27
87	Multifrequency EPR Studies on the Mn(II) Centers of Oxalate Decarboxylase. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5043-5046.	2.6	34
88	Definitive Determination of Zero-Field Splitting and Exchange Interactions in a Ni(II) Dimer: Investigation of [Ni ₂ (en) ₄ Cl ₂]Cl ₂ Using Magnetization and Tunable-Frequency High-Field Electron Paramagnetic Resonance. <i>Journal of the American Chemical Society</i> , 2007, 129, 10306-10307.	13.7	58
89	Multi-frequency, high-field EPR as a powerful tool to accurately determine zero-field splitting in high-spin transition metal coordination complexes. <i>Coordination Chemistry Reviews</i> , 2006, 250, 2308-2324.	18.8	326
90	Tunable-frequency high-field electron paramagnetic resonance. <i>Journal of Magnetic Resonance</i> , 2006, 178, 174-183.	2.1	101

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91	High-frequency/high-field EPR spectroscopy of the high-spin ferrous ion in hexaaqua complexes. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, S130-S139.	1.9	40
92	High-Frequency and -Field EPR Investigation of a Manganese(III) N-Confused Porphyrin Complex, [Mn(NCTPP)(py) ₂]. <i>Inorganic Chemistry</i> , 2005, 44, 4451-4453.	4.0	39
93	Synthesis, Crystal Structure, and High-Precision High-Frequency and -Field Electron Paramagnetic Resonance Investigation of a Manganese(III) Complex: [Mn(dbm) ₂ (py) ₂](ClO ₄). <i>Inorganic Chemistry</i> , 2005, 44, 187-196.	4.0	48
94	A Cu ^{II} -Zn ^{II} -Cu ^{II} -Zn heterometallomacrocyclic complex shows significant antiferromagnetic coupling between paramagnetic centres mediated by diamagnetic metal. <i>Chemical Communications</i> , 2005, , 4976.	4.1	52
95	High-Frequency, High-Field EPR; Magnetic Susceptibility; and X-ray Studies on a Ferromagnetic Heterometallic Complex of Diethanolamine (H ₂ L), [Cu ₄ (NH ₃) ₄ (HL) ₄][CdBr ₄]Br ₂ ·3dmf·H ₂ O. <i>Inorganic Chemistry</i> , 2005, 44, 206-216.	4.0	61
96	High-Frequency and -Field EPR of a Pseudo-octahedral Complex of High-Spin Fe(II): Bis(2,2'-bi-2-thiazoline)bis(isothiocyanato)iron(II). <i>Journal of the American Chemical Society</i> , 2004, 126, 6574-6575.	13.7	36
97	Pseudooctahedral Complexes of Vanadium(III): Electronic Structure Investigation by Magnetic and Electronic Spectroscopy. <i>Inorganic Chemistry</i> , 2004, 43, 5645-5658.	4.0	64
98	Definitive Spectroscopic Determination of Zero-Field Splitting in High-Spin Cobalt(II). <i>Journal of the American Chemical Society</i> , 2004, 126, 2148-2155.	13.7	107
99	Anisotropic exchange interactions in the copper(II) and vanadium(IV) dimers [(L')Cu(μ-OH) ₂ Cu(L')](ClO ₄) ₂ and [(L)VO(μ-OH) ₂ VO(L)]Br ₂ with 1,4,7-triazacyclononane (L) and its N,N',N''-trimethyl derivative (L'): a single-crystal EPR study. <i>Inorganic Chemistry</i> , 1986, 25, 1704-1708.	4.0	42