Damien M Murphy

List of Publications by Year
in descending order

152 papers	6,750 citations	50276 46 h-index	71685 76 g-index
170 all docs	170 docs citations	170 times ranked	7062 citing authors

#	Article	IF	Citations
1	Extreme g-Tensor Anisotropy and Its Insensitivity to Structural Distortions in a Family of Linear Two-Coordinate Ni(I) Bis-N-heterocyclic Carbene Complexes. Inorganic Chemistry, 2022, 61, 1308-1315.	4.0	8
2	Monitoring the Substrateâ€Induced Spinâ€State Distribution in a Cobalt(II)â€Salen Complex by EPR and DFT. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	0
3	The influence of solvent composition on the coordination environment of the Co/Mn/Br based para-xylene oxidation catalyst as revealed by EPR and ESEEM spectroscopy. Catalysis Science and Technology, 2022, 12, 5274-5280.	4.1	1
4	Probing the structure of Copper(II)-Casiopeina type coordination complexes [Cu(O-O)(N-N)]+ by EPR and ENDOR spectroscopy. Journal of Catalysis, 2021, 394, 220-227.	6.2	5
5	Ambient base-free glycerol oxidation over bimetallic PdFe/SiO2 by in situ generated active oxygen species. Research on Chemical Intermediates, 2021, 47, 303-324.	2.7	6
6	An EPR investigation of defect structure and electron transfer mechanism in mixed-conductive LiBO₂â€“V₂O₅glasses. Journal of Materials Chemistry A, 2021, 9, 16917-16927.	10.3	4
7	Enhanced Selective Oxidation of Benzyl Alcohol via In Situ H₂O₂ Production over Supported Pd-Based Catalysts. ACS Catalysis, 2021, 11, 2701-2714.	11.2	86
8	peri â€Xanthenoxanthene (PXX): a Versatile Organic Photocatalyst in Organic Synthesis. Advanced Synthesis and Catalysis, 2021, 363, 4740.	4.3	10
9	A residue-free approach to water disinfection using catalytic in situ generation of reactive oxygen species. Nature Catalysis, 2021, 4, 575-585.	34.4	73
10	Oâ€Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixedâ€Valence Complexes. Angewandte Chemie, 2020, 132, 4135-4143.	2.0	20
11	Oâ€Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixedâ€Valence Complexes. Angewandte Chemie - International Edition, 2020, 59, 4106-4114.	13.8	33
12	A novel dual mode X-band EPR resonator for rapid in situ microwave heating. Journal of Magnetic Resonance, 2020, 310, 106644.	2.1	7
13	CW EPR Investigation of Redâ€Emitting CaS:Eu Phosphors: Rationalization of Local Electronic Structure. Advanced Optical Materials, 2020, 8, 2001241.	7.3	9
14	An EPR characterisation of stable and transient reactive oxygen species formed under radiative and non-radiative conditions. Research on Chemical Intermediates, 2019, 45, 5763-5779.	2.7	13
15	Twisting the arm: structural constraints in bicyclic expanded-ring N-heterocyclic carbenes. Dalton Transactions, 2019, 48, 1850-1858.	3.3	16
16	Unravelling the Photochemical Transformations of Chromium(I) 1,3 Bis(diphenylphosphino), [Cr(CO)₄(dppp)]⁺, by EPR Spectroscopy. Organometallics, 2019, 38, 2523-2529.	2.3	6
17	Electrochemically Driven Câ€“H Hydrogen Abstraction Processes with the Tetrachloroâ€Phthalimidoâ€Nâ€Oxyl (Cl₄PINO) Catalyst. Electroanalysis, 2018, 30, 1706-1713.	2.9	6
18	Customizing Photoredox Properties of PXXâ€based Dyes through Energy Level Rigid Shifts of Frontier Molecular Orbitals. Chemistry - A European Journal, 2018, 24, 4382-4389.	3.3	33

#	Article	IF	Citations
19	Mono- and dinuclear Ni(<scp>i</scp>) products formed upon bromide abstraction from the Ni(<scp>i</scp>) ring-expanded NHC complex [Ni(6-Mes)(PPh₃)Br]. Dalton Transactions, 2018, 47, 769-782.	3.3	16
20	Tuning the reactivity of nitriles using Cu(<scp>ii</scp>) catalysis â€“ potentially prebiotic activation of nucleotides. Chemical Science, 2018, 9, 7053-7057.	7.4	10
21	An EPR Investigation of Binding Environments by N-Donor Chelating Exchange Resins for Cu Extraction from Aqueous Media. Inorganic Chemistry, 2018, 57, 10857-10866.	4.0	8
22	Improving the Selectivity of Photocatalytic NO_x Abatement through Improved O₂ Reduction Pathways Using Ti_{0.909}W_{0.091}O₂N_x Semiconductor Nanoparticles: From Characterization to Photocatalytic Performance. ACS Catalysis, 2018, 8, 6927-6938.	11.2	20
23	Catalytic Partial Oxidation of Cyclohexane by Bimetallic Ag/Pd Nanoparticles on Magnesium Oxide. Chemistry - A European Journal, 2017, 23, 11834-11842.	3.3	36
24	Effects of Halo-Substitution on 2â€²-Chloro-5â€²-halo-phenyl-1,2,3,5-dithiadiazolyl Radicals: A Crystallographic, Magnetic, and Electron Paramagnetic Resonance Case Study. Crystal Growth and Design, 2017, 17, 3017-3029.	3.0	16
25	An Electron Paramagnetic Resonance (EPR) spectroscopy study on the Î³-irradiation sterilization of the pharmaceutical excipient l-histidine: Regeneration of the radicals in solution. International Journal of Pharmaceutics, 2017, 533, 315-319.	5.2	5
26	Understanding the Coordination Modes of [Cu(acac)₂(imidazole)_{n=1,2}] Adducts by EPR, ENDOR, HYSCORE, and DFT Analysis. Inorganic Chemistry, 2017, 56, 11862-11875.	4.0	17
27	Influence of Ring-Expanded N-Heterocyclic Carbenes on the Structures of Half-Sandwich Ni(I) Complexes: An X-ray, Electron Paramagnetic Resonance (EPR), and Electron Nuclear Double Resonance (ENDOR) Study. Inorganic Chemistry, 2016, 55, 11006-11017.	4.0	25
28	Insights into the Reaction Mechanism of Cyclohexane Oxidation Catalysed by Molybdenum Blue Nanorings. Catalysis Letters, 2016, 146, 126-135.	2.6	23
29	Quantifying the micellar structure formed from hydrocarbon-fluorocarbon surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 492, 255-262.	4.7	5
30	Copper(II) complexes of pyridine-oxazoline (Pyox) ligands: Coordination chemistry, ligand stability, and catalysis. Inorganica Chimica Acta, 2016, 441, 86-94.	2.4	26
31	Liquid phase oxidation of cyclohexane using bimetallic Auâ€“Pd/MgO catalysts. Applied Catalysis A: General, 2015, 504, 373-380.	4.3	45
32	Structure determination of bound nitrogen-based adducts with copper(<scp>ii</scp>) acetylacetonato; an EPR, ENDOR and DFT study. Physical Chemistry Chemical Physics, 2015, 17, 11445-11454.	2.8	13
33	The Role of Low Valent Transition Metal Complexes in Homogeneous Catalysis: An EPR Investigation. Topics in Catalysis, 2015, 58, 759-768.	2.8	10
34	EPR/ENDOR and Computational Study of Outer Sphere Interactions in Copper Complexes of Phenolic Oximes. Inorganic Chemistry, 2015, 54, 8465-8473.	4.0	9
35	Molybdenum blue nano-rings: an effective catalyst for the partial oxidation of cyclohexane. Catalysis Science and Technology, 2015, 5, 217-227.	4.1	18
36	The benzaldehyde oxidation paradox explained by the interception of peroxy radical by benzyl alcohol. Nature Communications, 2014, 5, 3332.	12.8	193

#	Article	IF	Citations
37	Expedient Ironâ€Catalyzed Coupling of Alkyl, Benzyl and Allyl Halides with Arylboronic Esters. Chemistry - A European Journal, 2014, 20, 7935-7938.	3.3	91
38	TMEDA in Ironâ€Catalyzed Kumada Coupling: Amine Adduct versus Homoleptic â€œateâ€•Complex Formation. Angewandte Chemie - International Edition, 2014, 53, 1804-1808.	13.8	137
39	Iron-Catalyzed Borylation of Alkyl, Allyl, and Aryl Halides: Isolation of an Iron(I) Boryl Complex. Organometallics, 2014, 33, 5940-5943.	2.3	106
40	Weakening of the Ï€*â€“Ï€* dimerisation in 1,2,3,5-dithiadiazolyl radicals: structural, EPR, magnetic and computational studies of dichlorophenyl dithiadiazolyls, Cl₂C₆H₃CNSSN. CrystEngComm, 2014, 16, 7298.	2.6	17
41	Iron Phosphine Catalyzed Cross-Coupling of Tetraorganoborates and Related Group 13 Nucleophiles with Alkyl Halides. Organometallics, 2014, 33, 5767-5780.	2.3	90
42	A Two-Coordinate Manganese(0) Complex with an Unsupported Mnâ€“Mg Bond: Allowing Access to Low Coordinate Homo- and Heterobimetallic Compounds. Journal of the American Chemical Society, 2014, 136, 5283-5286.	13.7	70
43	Chapter 7. Homogeneous catalytic transformations investigated by EPR spectroscopy. Electron Paramagnetic Resonance, 2014, , 148-193.	0.2	0
44	Spin-triplet excitons in 1,3-diphenyl-7-(fur-2-yl)-1,4-dihydro-1,2,4-benzotriazin-4-yl. Chemical Communications, 2013, 49, 8662.	4.1	46
45	An ENDOR and DFT analysis of hindered methyl group rotations in frozen solutions of bis(acetylacetonato)-copper(ii). Physical Chemistry Chemical Physics, 2013, 15, 15214.	2.8	7
46	Structure, EPR/ENDOR and DFT characterisation of a [CuII(en)2](OTf)2 complex. Dalton Transactions, 2013, 42, 15088.	3.3	8
47	Synthesis, Electronic Structure, and Magnetism of [Ni(6-Mes)₂]⁺: A Two-Coordinate Nickel(I) Complex Stabilized by Bulky N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2013, 135, 13640-13643.	13.7	242
48	Simplifying Ironâ€“Phosphine Catalysts for Crossâ€Coupling Reactions. Angewandte Chemie - International Edition, 2013, 52, 1285-1288.	13.8	104
49	Threeâ€Coordinate Nickel(I) Complexes Stabilised by Sixâ€, Sevenâ€•and Eightâ€Membered Ring Nâ€Heterocyclic Carbenes: Synthesis, EPR/DFT Studies and Catalytic Activity. Chemistry - A European Journal, 2013, 19, 2158-2167.	3.3	89
50	Oxidation of Methane to Methanol with Hydrogen Peroxide Using Supported Goldâ€“Palladium Alloy Nanoparticles. Angewandte Chemie - International Edition, 2013, 52, 1280-1284.	13.8	239
51	Aryl Azide Photochemistry in Defined Protein Environments. Organic Letters, 2013, 15, 728-731.	4.6	14
52	Formation of [Cr(CO)_x(Ph₂PN(iPr)PPh₂)]⁺ Structural Isomers by Reaction of Triethylaluminum with a Chromium N,N-Bis(diarylphosphino)amine Complex [Cr(CO)₄(Ph₂PN(iPr)PPh₂)]⁺: An EPR and DFT Investigation. Organometallics, 2013, 32, 1924-1931.	2.3	21
53	Selfâ€Assembled PAAâ€Based Nanoparticles as Potential Gene and Protein Delivery Systems. Macromolecular Bioscience, 2013, 13, 641-649.	4.1	12
54	Catalytic and Mechanistic Insights of the Lowâ€Temperature Selective Oxidation of Methane over Cuâ€Promoted Feâ€ZSMâ€5. Chemistry - A European Journal, 2012, 18, 15735-15745.	3.3	102

#	Article	IF	Citations
55	Probing differences in binding of methylbenzylamine enantiomers to chiral cobalt(ii) salen complexes. Dalton Transactions, 2012, 41, 6861.	3.3	3
56	Cyclohexane oxidation using Au/MgO: an investigation of the reaction mechanism. Physical Chemistry Chemical Physics, 2012, 14, 16279.	2.8	71
57	Redox Non-innocence of Thioether Crowns: Elucidation of the Electronic Structure of the Mononuclear Pd(III) Complexes [Pd([9]aneS₃)₂]³⁺ and [Pd([18]aneS₆)]³⁺. Inorganic Chemistry, 2012, 51, 1450-1461.	4.0	16
58	Influence of counterions on the structure of bis(oxazoline)copper(ii) complexes; an EPR and ENDOR investigation. Dalton Transactions, 2012, 41, 11085.	3.3	14
59	Direct Catalytic Conversion of Methane to Methanol in an Aqueous Medium by using Copperâ€Promoted Feâ€ZSMâ€5. Angewandte Chemie - International Edition, 2012, 51, 5129-5133.	13.8	492
60	Observation of an Organic Acid Mediated Spin State Transition in a Co(II)â€“Schiff Base Complex: An EPR, HYSCORE, and DFT Study. Inorganic Chemistry, 2012, 51, 8014-8024.	4.0	18
61	Involvement of Surfaceâ€Bound Radicals in the Oxidation of Toluene Using Supported Auâ€Pd Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 5981-5985.	13.8	89
62	Iron(I) in Negishi Cross-Coupling Reactions. Journal of the American Chemical Society, 2012, 134, 10333-10336.	13.7	165
63	Visualizing Diastereomeric Interactions of Chiral Amineâ€“Chiral Copper Salen Adducts by EPR Spectroscopy and DFT. Inorganic Chemistry, 2011, 50, 6944-6955.	4.0	20
64	Interactions of an asymmetric amine with a non-C2 symmetric Cuâ€“salen complex: An EPR/ENDOR and HYSCORE investigation. Physical Chemistry Chemical Physics, 2011, 13, 20427.	2.8	11
65	Structure and pulsed EPR characterization of N,Nâ€²-bis(5-tert-butylsalicylidene)-1,2-cyclohexanediamino-vanadium(iv) oxide and its adducts with propylene oxide. Dalton Transactions, 2011, 40, 7454.	3.3	10
66	Crystal structures, EPR and magnetic properties of 2-ClC6H4CNSSNË™ and 2,5-Cl2C6H3CNSSNË™. Chemical Communications, 2011, 47, 2532.	4.1	35
67	A Neutral, Monomeric Germanium(I) Radical. Journal of the American Chemical Society, 2011, 133, 10074-10077.	13.7	108
68	Intramolecular Formation of a Cr^I(bis-arene) Species via TEA Activation of [Cr(CO)₄(Ph₂P(C₃H₆)PPh₂)]⁺: An EPR and DFT Investigation. Organometallics, 2011, 30, 4505-4508.	2.3	19
69	Electrochemical and spectroelectrochemical studies of complexes of 1,10-phenanthroline-5,6-dione. Inorganica Chimica Acta, 2011, 374, 435-441.	2.4	14
70	EPR Spectroscopy in Catalysis. Topics in Current Chemistry, 2011, 321, 1-39.	4.0	22
71	FeS-Induced Radical Formation and Its Effect on Plasmid DNA. Aquatic Geochemistry, 2011, 17, 545-566.	1.3	9
72	A CWâ€EPR, ENDOR and special TRIPLE resonance study of a novel magnesium ketyl radical. Magnetic Resonance in Chemistry, 2011, 49, 159-163.	1.9	14

#	Article	IF	Citations
73	A Pulsed EPR and DFT Investigation of the Stabilization of Coordinated Phenoxyl Radicals in a Series of Cobalt Schiff-Base Complexes. Applied Magnetic Resonance, 2010, 37, 289-303.	1.2	6
74	Interaction of an Endosomolytic Polyamidoamine ISA23 with Vesicles Mimicking Intracellular Membranes: A SANS/EPR Study. Macromolecular Bioscience, 2010, 10, 963-973.	4.1	6
75	Probing the role of weak outer sphere interactions (H-bonds) in VO(3,5-tBu2-salophen) â€“ Epoxide adducts by EPR, ENDOR and HYSCORE. Chemical Physics Letters, 2010, 486, 74-79.	2.6	9
76	Spin density studies on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:msub><mml:mrow><mml:mtext>-O</mml:mtext></mml:mrow><mml:mn>2 A heavy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></m. Physical Review B, 2010, 81, .	3.2	16
77	Formation of a Cobalt(III)â^'Phenoxyl Radical Complex by Acetic Acid Promoted Aerobic Oxidation of a Co(II)salen Complex. Inorganic Chemistry, 2010, 49, 2083-2092.	4.0	37
78	A cw EPR and ENDOR investigation on a series of Cr(i) carbonyl complexes with relevance to alkene oligomerization catalysis: [Cr(CO)4L]+ (L = Ph2PN(R)PPh2, Ph2P(R)PPh2). Dalton Transactions, 2010, 39, 7792.	3.3	20
79	Magnesium(<scp>i</scp>) reduction of benzophenone and anthracene: first structural characterisation of a magnesium ketyl. Chemical Communications, 2010, 46, 1511-1513.	4.1	69
80	Experimental observation of spin delocalisation onto the aryl-alkynyl ligand in the complexes [Mo(Cî€,CAr)(Ph2PCH2CH2PPh2)(Î·-C7H7)]+ (Ar = C6H5, C6H4-4-F; C7H7 = cycloheptatrienyl): an EPR and ENDOR investigation. Dalton Transactions, 2010, 39, 11424.	3.3	10
81	An EPR investigation of acetonitrile reactivity with superoxide radicals on polycrystalline TiO2. Research on Chemical Intermediates, 2009, 35, 145-154.	2.7	13
82	The power of electron paramagnetic resonance to study asymmetric homogeneous catalysts based on transition-metal complexes. Coordination Chemistry Reviews, 2009, 253, 2116-2130.	18.8	19
83	Interaction of molecular oxygen with oxygen vacancies on reduced TiO2: Site specific blocking by probe molecules. Chemical Physics Letters, 2009, 477, 340-344.	2.6	42
84	Enantioselective binding of structural epoxide isomers by a chiral vanadyl salen complex: a pulsed EPR, cw-ENDOR and DFT investigation. Physical Chemistry Chemical Physics, 2009, 11, 6757.	2.8	10
85	Discrimination of Geometrical Epoxide Isomers by ENDOR Spectroscopy and DFT Calculations: The Role of Hydrogen Bonds. Angewandte Chemie - International Edition, 2008, 47, 1414-1416.	13.8	13
86	The electronic structure of N,Nâ€²-bis(3,5-di-tert-butylsalicylidene)-1,2-cyclohexane-diamino cobalt(II). Chemical Physics Letters, 2008, 464, 31-37.	2.6	13
87	The synthesis and structure of terpyridine-N-oxide complexes of copper(<scp>ii</scp>) perchlorate. Dalton Transactions, 2008, , 506-513.	3.3	7
88	Solvent dependence of the g-anisotropy in the ESR of cyanide-bridged mixed-valence complexes. Dalton Transactions, 2008, , 6257.	3.3	6
89	The manganese relationships of ecophysiologically contrasting earthworm species (Lumbricus) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Biology, 2007, 43, S297-S302.	3.2	6
90	Evidence for O2-Radical Stabilization at Surface Oxygen Vacancies on Polycrystalline TiO2. Journal of Physical Chemistry C, 2007, 111, 10630-10638.	3.1	204

#	Article	IF	Citations
91	Free-Radical Pathways in the Decomposition of Ketones over Polycrystalline TiO2: The Role of Organoperoxy Radicals. ChemPhysChem, 2007, 8, 113-123.	2.1	32
92	Multi-frequency high-field EPR study of (H+)(eâ^') pairs localized at the surface of polycrystalline MgO. Chemical Physics Letters, 2007, 438, 285-289.	2.6	9
93	Derivatizing weak polyelectrolytesâ€"Solution properties, self-aggregation, and association with anionic surfaces of hydrophobically modified poly(ethylene imine). Journal of Colloid and Interface Science, 2007, 314, 460-469.	9.4	16
94	Improvement of toluene catalytic combustion by addition of cesium in copper exchanged zeolites. Applied Catalysis B: Environmental, 2007, 70, 384-392.	20.2	50
95	Evaluating Ï€-Ï€ stacking effects in macrocyclic transition metal complexes using EPR techniques. Research on Chemical Intermediates, 2007, 33, 807-823.	2.7	6
96	Electron Paramagnetic Resonance Spectroscopy Studies of Oxidative Degradation of an Active Pharmaceutical Ingredient and Quantitative Analysis of the Organic Radical Intermediates Using Partial Least-Squares Regression. Analytical Chemistry, 2006, 78, 604-608.	6.5	9
97	The reactivity of gallium-(i), -(ii) and -(iii) heterocycles towards Group 15 substrates: attempts to prepare galliumâ€"terminal pnictinidene complexes. Dalton Transactions, 2006, , 64-72.	3.3	48
98	Principles and applications of ENDOR spectroscopy for structure determination in solution and disordered matrices. Chemical Society Reviews, 2006, 35, 249.	38.1	59
99	Excess Electrons Stabilized on Ionic Oxide Surfacesâ€. Accounts of Chemical Research, 2006, 39, 861-867.	15.6	144
100	An EPR, ENDOR and EIE study of Î³-irradiated poly (lactide-co-glycolide) polymers. Magnetic Resonance in Chemistry, 2006, 44, 929-935.	1.9	2
101	Chemically Induced Fast Solid-State Transitions of Â-VOPO4 in Vanadium Phosphate Catalysts. Science, 2006, 313, 1270-1273.	12.6	79
102	Deep oxidation of light alkanes over titania-supported palladium/vanadium catalysts. Journal of Catalysis, 2005, 229, 1-11.	6.2	70
103	An EPR and ENDOR study of Î³- and Î²-radiation sterilization in poly (lactide-co-glycolide) polymers and microspheres. Journal of Controlled Release, 2005, 110, 49-57.	9.9	31
104	An EPR and ENDOR Investigation of a Series of Diazabutadiene-Group 13 Complexes. Chemistry - A European Journal, 2005, 11, 2972-2982.	3.3	65
105	Reactions of a Gallium(II)â^'Diazabutadiene Dimer, [{{[(H)C(But)N]2}Gal}2], with [ME(SiMe3)2] (M = Li or) Tj ETQq1 1 0.784314 rgB Complexes. Inorganic Chemistry, 2005, 44, 2098-2105.	4.0	16
106	Evidence for the first oxidative insertion of a transition metal into a digallane(4): synthesis, structural characterisation and EPR studies of [Cp2ZrIII{Ga[N(Ar)C(H)]2}2][Li(THF)4], Ar = C6H3Pri2-2,6. Chemical Communications, 2005, , 1339.	4.1	54
107	EPR studies on the thiophenodithiazolyl radical, C4H2S3NË™. Dalton Transactions, 2005, , 3838.	3.3	16
108	Long range superhyperfine interactions in polycrystalline vanadium doped SnO2 investigated by CW and pulsed ENDOR spectroscopy. Chemical Physics Letters, 2004, 391, 1-8.	2.6	6

#	Article	IF	Citations
109	Structural State and Redox Behavior of Framework Co(II) in CoIST-2:â€‰ A Novel Cobalt-Substituted Aluminophosphate with AEN Topology. Journal of Physical Chemistry B, 2004, 108, 8344-8354.	2.6	19
110	Direct Observation of Enantiomer Discrimination of Epoxides by Chiral Salen Complexes Using ENDOR. Journal of the American Chemical Society, 2004, 126, 15660-15661.	13.7	30
111	An EPR study of thermally and photochemically generated oxygen radicals on hydrated and dehydrated titania surfaces. Research on Chemical Intermediates, 2003, 29, 449-465.	2.7	102
112	An ENDOR and DFT analysis of â€˜solvatochromicâ€™ effects in an oxovanadium (IV) complex. Chemical Physics Letters, 2003, 380, 758-766.	2.6	9
113	Electron magnetic resonance study of gamma-irradiated poly(lactide-co-glycolide) microspheres. Journal of Controlled Release, 2003, 91, 431-438.	9.9	17
114	A Thiazyl-Based Organic Ferromagnet. Angewandte Chemie - International Edition, 2003, 42, 4782-4785.	13.8	130
115	Electron spin resonance and spin trap investigation of free radicals in cigarette smoke: development of a quantification procedure. Analytica Chimica Acta, 2003, 481, 1-13.	5.4	50
116	Identification of a Surface Alkylperoxy Radical in the Photocatalytic Oxidation of Acetone/O2 over TiO2. Journal of Physical Chemistry A, 2003, 107, 1779-1782.	2.5	55
117	The interaction of H2O2 with exchanged titanium oxide systems (TS-1, TiO2, [Ti]-APO-5,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 See http://www.rsc.org/suppdata/cp/b3/b306398b/. Physical Chemistry Chemical Physics, 2003, 5, 4306.	2.8	72
118	The seventeen- and eighteen-electron metallacarbaboranes [1,1,1-(CO)3-2-Ph-closo-1,2-MnCB9H9]n? (n = 1,) Tj ETQq0 0 0 rgBT /Overlo	4.1	24
119	Low valent carbonylvanadium complexes of the triphosphorus macrocycle 12[ane]P3Et3. Dalton Transactions, 2003, , 944-948.	3.3	10
120	Synthesis and characterisation of the first carbene and diazabutadieneâ€“indium(ii) complexesElectronic supplementary information (ESI) available: synthetic details. See http://www.rsc.org/suppdata/cc/b2/b202532a/. Chemical Communications, 2002, , 1196-1197.	4.1	67
121	Conformational changes of an oxovanadium complex probed by ENDOR spectroscopy and DFT calculations. Physical Chemistry Chemical Physics, 2002, 4, 4937-4943.	2.8	14
122	The reactivity of diazabutadienes toward low oxidation state Group 13 iodides and the synthesis of a new gallium(i) carbene analogue. Dalton Transactions RSC, 2002, , 3844.	2.3	191
123	Continuous wave electron paramagnetic resonance investigation of the hyperfine structure of 17O2â^' adsorbed on the MgO surface. Journal of Chemical Physics, 2002, 116, 4266-4274.	3.0	78
124	An ENDOR study of oxomolybdenum(V) tris(pyrazolyl)borate complexes; identification of couplings to boron and other heteroatoms. Magnetic Resonance in Chemistry, 2002, 40, 683-686.	1.9	5
125	Heterogeneity of surface colour centres on alkaline earth metal oxides as revealed through EPR/ENDOR spectroscopy. Magnetic Resonance in Chemistry, 2002, 40, 381-386.	1.9	11
126	O- radical ions on MgO: a tool for a structural description of the surface. Research on Chemical Intermediates, 2002, 28, 205-214.	2.7	9

#	Article	IF	Citations
127	Recent applications of electron magnetic resonance (EMR) techniques in heterogeneous catalysis. Current Opinion in Solid State and Materials Science, 2001, 5, 97-104.	11.5	11
128	An EPR study on the enantioselective aziridination properties of a CuNaY zeolite. Physical Chemistry Chemical Physics, 2001, 3, 1073-1080.	2.8	45
129	Partial Ionization of Cesium Atoms at Point Defects over Polycrystalline Magnesium Oxide. Journal of Physical Chemistry B, 2001, 105, 10457-10460.	2.6	12
130	Reductive Activation of the Nitrogen Molecule at the Surface of â€œElectron-Richâ€•MgO and CaO. The N2-Surface Adsorbed Radical Ion. Journal of Physical Chemistry B, 2001, 105, 497-505.	2.6	69
131	Divalent first-row transition metal complexes of the rigid pendant-arm ligand 1,4,7-tris(2-aminophenyl)-1,4,7-triazacyclononaneâ€Šâ€. Dalton Transactions RSC, 2000, , 3632-3639.	2.3	13
132	N2-Radical Anion Reversibly Formed at the Surface of â€œElectron-Richâ€•Alkaline-Earth Oxides. Journal of Physical Chemistry B, 2000, 104, 1887-1890.	2.6	31
133	Enantioselective epoxidation of (Zâ€Š)-stilbene using a chiral Mn(III)â€“salen complex: effect of immobilisation on MCM-41 on product selectivity. Perkin Transactions II RSC, 2000, , 2008-2015.	1.1	74
134	Chemical Applications of EPR. , 1999, , 190-198.		0
135	EPR investigation of PdI species in palladium-exchanged ZSM-5 and beta zeolites. Physical Chemistry Chemical Physics, 1999, 1, 621-628.	2.8	13
136	Surface Defect Sites Formed on Partially and Fully Dehydrated MgO:Â An EPR/ENDOR Study. Journal of Physical Chemistry B, 1999, 103, 1944-1953.	2.6	66
137	Thermal and Photoreactivity of TiO2 at the Gasâ^'Solid Interface with Aliphatic and Aromatic Aldehydes. Journal of Physical Chemistry B, 1999, 103, 1019-1026.	2.6	65
138	Generation and EPR characterization of color centers at the surface of ionic oxides. Applied Magnetic Resonance, 1998, 14, 169-182.	1.2	2
139	EPR study of the H2O2 interaction with TiO2; evidence for a novel S = 1 surface radical pair. Chemical Communications, 1997, , 2177-2178.	4.1	26
140	Surface Color Centers on Calcium Oxide:Â An Electron Paramagnetic Resonance Investigation. Langmuir, 1997, 13, 5306-5315.	3.5	28
141	A Combined EPR and Quantum Chemical Approach to the Structure of Surface Fs+(H) Centers on MgO. Journal of Physical Chemistry B, 1997, 101, 971-982.	2.6	131
142	EPR study of spin-trapped free radical intermediates formed in the heterogeneously-assisted photodecomposition of acetaldehydeâ€Šâ€. Journal of the Chemical Society Perkin Transactions II, 1997, , 2479-2486.	0.9	32
143	Continuous wave electron paramagnetic resonance spectroscopy in the investigation of the surface properties and chemical reactivity of an ionic oxide (MgO). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 115, 157-170.	4.7	18
144	An ATR-FTIR study of water in cellulose acetate membranes prepared by phase inversion. Journal of Membrane Science, 1995, 106, 245-257.	8.2	128

#	Article	IF	Citations
145	A Family of Trapped Electron Centers on Alkali Metal Vapor Doped Magnesium Oxide. The Journal of Physical Chemistry, 1995, 99, 15172-15180.	2.9	42
146	Surface colour centres on magnesium oxide generated by magnesium and alkali-metal doping. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 3167.	1.7	56
147	A Novel Trapped Electron Center on Sodium Vapor Doped Magnesium Oxide. The Journal of Physical Chemistry, 1994, 98, 7929-7932.	2.9	14
148	A novel lithium ionic cluster at the surface of magnesia. The Journal of Physical Chemistry, 1993, 97, 1739-1742.	2.9	21
149	Electron paramagnetic resonance investigation of the interaction of CO with the surface of electron-rich magnesium oxide: evidence for the CO? radical anion. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3715.	1.7	52
150	EPR of paramagnetic centres of solid surfaces. Electron Paramagnetic Resonance, 0, , 183-221.	0.2	6
151	EPR of paramagnetic centres on solid surfaces. Electron Paramagnetic Resonance, 0, , 279-317.	0.2	8
152	Design Considerations of a Dual Mode X-Band EPR Resonator for Rapid In-Situ Microwave Heating. Applied Magnetic Resonance, 0, , 1.	1.2	2