

Damien M Murphy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5239470/publications.pdf>

Version: 2024-02-01

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	Direct Catalytic Conversion of Methane to Methanol in an Aqueous Medium by using Copper-Promoted Fe-ZSM-5. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5129-5133.	13.8	492
2	Synthesis, Electronic Structure, and Magnetism of $[\text{Ni}(\text{6-Mes})_2]^+$: A Two-Coordinate Nickel(I) Complex Stabilized by Bulky N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 13640-13643.	13.7	242
3	Oxidation of Methane to Methanol with Hydrogen Peroxide Using Supported Gold-Palladium Alloy Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1280-1284.	13.8	239
4	Evidence for O ₂ -Radical Stabilization at Surface Oxygen Vacancies on Polycrystalline TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2007, 111, 10630-10638.	3.1	204
5	The benzaldehyde oxidation paradox explained by the interception of peroxy radical by benzyl alcohol. <i>Nature Communications</i> , 2014, 5, 3332.	12.8	193
6	The reactivity of diazabutadienes toward low oxidation state Group 13 iodides and the synthesis of a new gallium(I) carbene analogue. <i>Dalton Transactions RSC</i> , 2002, , 3844.	2.3	191
7	Iron(I) in Negishi Cross-Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2012, 134, 10333-10336.	13.7	165
8	Excess Electrons Stabilized on Ionic Oxide Surfaces. <i>Accounts of Chemical Research</i> , 2006, 39, 861-867.	15.6	144
9	TMEDA in Iron-Catalyzed Kumada Coupling: Amine Adduct versus Homoleptic π -Complex Formation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1804-1808.	13.8	137
10	A Combined EPR and Quantum Chemical Approach to the Structure of Surface $\text{Fs}^+(\text{H})$ Centers on MgO. <i>Journal of Physical Chemistry B</i> , 1997, 101, 971-982.	2.6	131
11	A Thiazyl-Based Organic Ferromagnet. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4782-4785.	13.8	130
12	An ATR-FTIR study of water in cellulose acetate membranes prepared by phase inversion. <i>Journal of Membrane Science</i> , 1995, 106, 245-257.	8.2	128
13	A Neutral, Monomeric Germanium(I) Radical. <i>Journal of the American Chemical Society</i> , 2011, 133, 10074-10077.	13.7	108
14	Iron-Catalyzed Borylation of Alkyl, Allyl, and Aryl Halides: Isolation of an Iron(I) Boryl Complex. <i>Organometallics</i> , 2014, 33, 5940-5943.	2.3	106
15	Simplifying Iron-Phosphine Catalysts for Cross-Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1285-1288.	13.8	104
16	An EPR study of thermally and photochemically generated oxygen radicals on hydrated and dehydrated titania surfaces. <i>Research on Chemical Intermediates</i> , 2003, 29, 449-465.	2.7	102
17	Catalytic and Mechanistic Insights of the Low-Temperature Selective Oxidation of Methane over Cu-Promoted Fe-ZSM-5. <i>Chemistry - A European Journal</i> , 2012, 18, 15735-15745.	3.3	102
18	Expedient Iron-Catalyzed Coupling of Alkyl, Benzyl and Allyl Halides with Arylboronic Esters. <i>Chemistry - A European Journal</i> , 2014, 20, 7935-7938.	3.3	91

#	ARTICLE	IF	CITATIONS
19	Iron Phosphine Catalyzed Cross-Coupling of Tetraorganoborates and Related Group 13 Nucleophiles with Alkyl Halides. <i>Organometallics</i> , 2014, 33, 5767-5780.	2.3	90
20	Involvement of Surface-Bound Radicals in the Oxidation of Toluene Using Supported Au-Pd Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5981-5985.	13.8	89
21	Three-Coordinate Nickel(I) Complexes Stabilised by Six-, Seven- and Eight-Membered Ring N-Heterocyclic Carbenes: Synthesis, EPR/DFT Studies and Catalytic Activity. <i>Chemistry - A European Journal</i> , 2013, 19, 2158-2167.	3.3	89
22	Enhanced Selective Oxidation of Benzyl Alcohol via <i>In Situ</i> H ₂ O ₂ Production over Supported Pd-Based Catalysts. <i>ACS Catalysis</i> , 2021, 11, 2701-2714.	11.2	86
23	Chemically Induced Fast Solid-State Transitions of VOPO_4 in Vanadium Phosphate Catalysts. <i>Science</i> , 2006, 313, 1270-1273.	12.6	79
24	Continuous wave electron paramagnetic resonance investigation of the hyperfine structure of $^{17}\text{O}_2$ adsorbed on the MgO surface. <i>Journal of Chemical Physics</i> , 2002, 116, 4266-4274.	3.0	78
25	Enantioselective epoxidation of (Z)-stilbene using a chiral Mn(III)-salen complex: effect of immobilisation on MCM-41 on product selectivity. <i>Perkin Transactions II RSC</i> , 2000, , 2008-2015.	1.1	74
26	A residue-free approach to water disinfection using catalytic in situ generation of reactive oxygen species. <i>Nature Catalysis</i> , 2021, 4, 575-585.	34.4	73
27	The interaction of H ₂ O ₂ with exchanged titanium oxide systems (TS-1, TiO ₂ , [Ti]-APO-5). <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4306. See http://www.rsc.org/suppdata/cp/b3/b306398b/ .	2.8	72
28	Cyclohexane oxidation using Au/MgO: an investigation of the reaction mechanism. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16279.	2.8	71
29	Deep oxidation of light alkanes over titania-supported palladium/vanadium catalysts. <i>Journal of Catalysis</i> , 2005, 229, 1-11.	6.2	70
30	A Two-Coordinate Manganese(0) Complex with an Unsupported Mn-Mg Bond: Allowing Access to Low Coordinate Homo- and Heterobimetallic Compounds. <i>Journal of the American Chemical Society</i> , 2014, 136, 5283-5286.	13.7	70
31	Reductive Activation of the Nitrogen Molecule at the Surface of μ -Electron-Rich MgO and CaO. The N ₂ -Surface Adsorbed Radical Ion. <i>Journal of Physical Chemistry B</i> , 2001, 105, 497-505.	2.6	69
32	Magnesium reduction of benzophenone and anthracene: first structural characterisation of a magnesium ketyl. <i>Chemical Communications</i> , 2010, 46, 1511-1513.	4.1	69
33	Synthesis and characterisation of the first carbene and diazabutadiene-indium(ii) complexes. Electronic supplementary information (ESI) available: synthetic details. See http://www.rsc.org/suppdata/cc/b2/b202532a/ . <i>Chemical Communications</i> , 2002, , 1196-1197.	4.1	67
34	Surface Defect Sites Formed on Partially and Fully Dehydrated MgO: An EPR/ENDOR Study. <i>Journal of Physical Chemistry B</i> , 1999, 103, 1944-1953.	2.6	66
35	Thermal and Photoreactivity of TiO ₂ at the Gas-Solid Interface with Aliphatic and Aromatic Aldehydes. <i>Journal of Physical Chemistry B</i> , 1999, 103, 1019-1026.	2.6	65
36	An EPR and ENDOR Investigation of a Series of Diazabutadiene-Group 13 Complexes. <i>Chemistry - A European Journal</i> , 2005, 11, 2972-2982.	3.3	65

#	ARTICLE	IF	CITATIONS
37	Principles and applications of ENDOR spectroscopy for structure determination in solution and disordered matrices. <i>Chemical Society Reviews</i> , 2006, 35, 249.	38.1	59
38	Surface colour centres on magnesium oxide generated by magnesium and alkali-metal doping. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 3167.	1.7	56
39	Identification of a Surface Alkylperoxy Radical in the Photocatalytic Oxidation of Acetone/O ₂ over TiO ₂ . <i>Journal of Physical Chemistry A</i> , 2003, 107, 1779-1782.	2.5	55
40	Evidence for the first oxidative insertion of a transition metal into a digallane(4): synthesis, structural characterisation and EPR studies of [Cp ₂ ZrIII{Ga[N(Ar)C(H)] ₂ } ₂][Li(THF) ₄], Ar = C ₆ H ₃ Pri ₂ -2,6. <i>Chemical Communications</i> , 2005, , 1339.	4.1	54
41	Electron paramagnetic resonance investigation of the interaction of CO with the surface of electron-rich magnesium oxide: evidence for the CO ^{•-} radical anion. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 3715.	1.7	52
42	Electron spin resonance and spin trap investigation of free radicals in cigarette smoke: development of a quantification procedure. <i>Analytica Chimica Acta</i> , 2003, 481, 1-13.	5.4	50
43	Improvement of toluene catalytic combustion by addition of cesium in copper exchanged zeolites. <i>Applied Catalysis B: Environmental</i> , 2007, 70, 384-392.	20.2	50
44	The reactivity of gallium-(i), -(ii) and -(iii) heterocycles towards Group 15 substrates: attempts to prepare gallium ⁺ terminal pnictinidene complexes. <i>Dalton Transactions</i> , 2006, , 64-72.	3.3	48
45	Spin-triplet excitons in 1,3-diphenyl-7-(fur-2-yl)-1,4-dihydro-1,2,4-benzotriazin-4-yl. <i>Chemical Communications</i> , 2013, 49, 8662.	4.1	46
46	An EPR study on the enantioselective aziridination properties of a CuNaY zeolite. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 1073-1080.	2.8	45
47	Liquid phase oxidation of cyclohexane using bimetallic Au ⁺ /Pd/MgO catalysts. <i>Applied Catalysis A: General</i> , 2015, 504, 373-380.	4.3	45
48	A Family of Trapped Electron Centers on Alkali Metal Vapor Doped Magnesium Oxide. <i>The Journal of Physical Chemistry</i> , 1995, 99, 15172-15180.	2.9	42
49	Interaction of molecular oxygen with oxygen vacancies on reduced TiO ₂ : Site specific blocking by probe molecules. <i>Chemical Physics Letters</i> , 2009, 477, 340-344.	2.6	42
50	Formation of a Cobalt(III) ⁺ Phenoxy Radical Complex by Acetic Acid Promoted Aerobic Oxidation of a Co(II)salen Complex. <i>Inorganic Chemistry</i> , 2010, 49, 2083-2092.	4.0	37
51	Catalytic Partial Oxidation of Cyclohexane by Bimetallic Ag/Pd Nanoparticles on Magnesium Oxide. <i>Chemistry - A European Journal</i> , 2017, 23, 11834-11842.	3.3	36
52	Crystal structures, EPR and magnetic properties of 2-ClC ₆ H ₄ CN ⁺ and 2,5-Cl ₂ C ₆ H ₃ CN ⁺ . <i>Chemical Communications</i> , 2011, 47, 2532.	4.1	35
53	Customizing Photoredox Properties of PXX ⁺ -based Dyes through Energy Level Rigid Shifts of Frontier Molecular Orbitals. <i>Chemistry - A European Journal</i> , 2018, 24, 4382-4389.	3.3	33
54	O ⁺ -Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixed ⁺ Valence Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4106-4114.	13.8	33

#	ARTICLE	IF	CITATIONS
55	EPR study of spin-trapped free radical intermediates formed in the heterogeneously-assisted photodecomposition of acetaldehyde. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 2479-2486.	0.9	32
56	Free-Radical Pathways in the Decomposition of Ketones over Polycrystalline TiO ₂ : The Role of Organoperoxy Radicals. <i>ChemPhysChem</i> , 2007, 8, 113-123.	2.1	32
57	N ₂ -Radical Anion Reversibly Formed at the Surface of σ -Electron-Rich Alkaline-Earth Oxides. <i>Journal of Physical Chemistry B</i> , 2000, 104, 1887-1890.	2.6	31
58	An EPR and ENDOR study of γ - and β -radiation sterilization in poly (lactide-co-glycolide) polymers and microspheres. <i>Journal of Controlled Release</i> , 2005, 110, 49-57.	9.9	31
59	Direct Observation of Enantiomer Discrimination of Epoxides by Chiral Salen Complexes Using ENDOR. <i>Journal of the American Chemical Society</i> , 2004, 126, 15660-15661.	13.7	30
60	Surface Color Centers on Calcium Oxide: An Electron Paramagnetic Resonance Investigation. <i>Langmuir</i> , 1997, 13, 5306-5315.	3.5	28
61	EPR study of the H ₂ O ₂ interaction with TiO ₂ ; evidence for a novel S = 1 surface radical pair. <i>Chemical Communications</i> , 1997, , 2177-2178.	4.1	26
62	Copper(II) complexes of pyridine-oxazoline (Pyox) ligands: Coordination chemistry, ligand stability, and catalysis. <i>Inorganica Chimica Acta</i> , 2016, 441, 86-94.	2.4	26
63	Influence of Ring-Expanded <i>N</i> -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. <i>Inorganic Chemistry</i> , 2016, 55, 11006-11017.	4.0	25
64	The seventeen- and eighteen-electron metallocarbaboranes [1,1,1-(CO) ₃ -2-Ph-closo-1,2-MnCB ₉ H ₉] _n ? (n = 1, 2). <i>Journal of Organometallic Chemistry</i> , 2000, 600, 241-244.	4.1	24
65	Insights into the Reaction Mechanism of Cyclohexane Oxidation Catalysed by Molybdenum Blue Nanorings. <i>Catalysis Letters</i> , 2016, 146, 126-135.	2.6	23
66	EPR Spectroscopy in Catalysis. <i>Topics in Current Chemistry</i> , 2011, 321, 1-39.	4.0	22
67	A novel lithium ionic cluster at the surface of magnesia. <i>The Journal of Physical Chemistry</i> , 1993, 97, 1739-1742.	2.9	21
68	Formation of [Cr(CO) ₂ (Ph) ₂ PN(<i>i</i> -Pr)PPh ₂] ⁺ Structural Isomers by Reaction of Triethylaluminum with a Chromium <i>N,N</i> -Bis(diarylphosphino)amine Complex [Cr(CO) ₄ (Ph) ₂ PN(<i>i</i> -Pr)PPh ₂] ⁺ : An EPR and DFT Investigation. <i>Organometallics</i> , 2013, 32, 1924-1931.	2.3	21
69	A cw EPR and ENDOR investigation on a series of Cr(I) carbonyl complexes with relevance to alkene oligomerization catalysis: [Cr(CO) ₄ L] ⁺ (L = Ph ₂ PN(R)PPh ₂ , Ph ₂ P(R)PPh ₂). <i>Dalton Transactions</i> , 2010, 39, 7792.	3.3	20
70	Visualizing Diastereomeric Interactions of Chiral Amine-Chiral Copper Salen Adducts by EPR Spectroscopy and DFT. <i>Inorganic Chemistry</i> , 2011, 50, 6944-6955.	4.0	20
71	Improving the Selectivity of Photocatalytic NO _x Abatement through Improved O ₂ Reduction Pathways Using Ti _{0.909} W _{0.091} O ₂ Semiconductor Nanoparticles: From Characterization to Photocatalytic Performance. <i>ACS Catalysis</i> , 2018, 8, 6927-6938.	11.2	20
72	O ₂ -Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixed-Valence Complexes. <i>Angewandte Chemie</i> , 2020, 132, 4135-4143.	2.0	20

#	ARTICLE	IF	CITATIONS
73	Structural State and Redox Behavior of Framework Co(II) in CoIST-2: A Novel Cobalt-Substituted Aluminophosphate with AEN Topology. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8344-8354.	2.6	19
74	The power of electron paramagnetic resonance to study asymmetric homogeneous catalysts based on transition-metal complexes. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2116-2130.	18.8	19
75	Intramolecular Formation of a Cr ^I (bis-arene) Species via TEA Activation of [Cr(CO) ₄ (Ph) ₂ P(C ₃ H ₆)PPh ₂] ⁺ : An EPR and DFT Investigation. <i>Organometallics</i> , 2011, 30, 4505-4508.	2.3	19
76	Continuous wave electron paramagnetic resonance spectroscopy in the investigation of the surface properties and chemical reactivity of an ionic oxide (MgO). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 115, 157-170.	4.7	18
77	Observation of an Organic Acid Mediated Spin State Transition in a Co(II) "Schiff Base Complex: An EPR, HYSCORE, and DFT Study. <i>Inorganic Chemistry</i> , 2012, 51, 8014-8024.	4.0	18
78	Molybdenum blue nano-rings: an effective catalyst for the partial oxidation of cyclohexane. <i>Catalysis Science and Technology</i> , 2015, 5, 217-227.	4.1	18
79	Electron magnetic resonance study of gamma-irradiated poly(lactide-co-glycolide) microspheres. <i>Journal of Controlled Release</i> , 2003, 91, 431-438.	9.9	17
80	Weakening of the $\dot{\text{C}}\text{C}^*$ dimerisation in 1,2,3,5-dithiadiazolyl radicals: structural, EPR, magnetic and computational studies of dichlorophenyl dithiadiazolyls, Cl ₂ C ₆ H ₃ CN ₂ S ₂ . <i>CrystEngComm</i> , 2014, 16, 7298.	2.6	17
81	Understanding the Coordination Modes of [Cu(acac) ₂ (imidazole) _n] _{n=1,2} Adducts by EPR, ENDOR, HYSCORE, and DFT Analysis. <i>Inorganic Chemistry</i> , 2017, 56, 11862-11875.	4.0	17
82	Reactions of a Gallium(II) Diazabutadiene Dimer, [Ga ₂ (H)C(But)N ₂] ₂ , with [ME(SiMe ₃) ₂] (M = Li or Tl) ETQq0 0 0 rgBT /Overlock Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 2098-2105.	4.0	16
83	EPR studies on the thiophenodithiazolyl radical, C ₄ H ₂ S ₃ N ₂ [•] . <i>Dalton Transactions</i> , 2005, , 3838.	3.3	16
84	Derivatizing weak polyelectrolytes: Solution properties, self-aggregation, and association with anionic surfaces of hydrophobically modified poly(ethylene imine). <i>Journal of Colloid and Interface Science</i> , 2007, 314, 460-469.	9.4	16
85	Spin density studies on p-O^{\cdot} A heavy p-O^{\cdot} . <i>Physical Review B</i> , 2010, 81, .	3.2	16
86	Redox Non-innocence of Thioether Crowns: Elucidation of the Electronic Structure of the Mononuclear Pd(III) Complexes [Pd([9]aneS ₃) ₂] ³⁺ and [Pd([18]aneS ₆)] ³⁺ . <i>Inorganic Chemistry</i> , 2012, 51, 1450-1461.	4.0	16
87	Effects of Halo-Substitution on 2-Chloro-5-halo-phenyl-1,2,3,5-dithiadiazolyl Radicals: A Crystallographic, Magnetic, and Electron Paramagnetic Resonance Case Study. <i>Crystal Growth and Design</i> , 2017, 17, 3017-3029.	3.0	16
88	Mono- and dinuclear Ni products formed upon bromide abstraction from the Ni ring-expanded NHC complex [Ni(6-Mes)(PPh ₃)Br]. <i>Dalton Transactions</i> , 2018, 47, 769-782.	3.3	16
89	Twisting the arm: structural constraints in bicyclic expanded-ring N-heterocyclic carbenes. <i>Dalton Transactions</i> , 2019, 48, 1850-1858.	3.3	16
90	A Novel Trapped Electron Center on Sodium Vapor Doped Magnesium Oxide. <i>The Journal of Physical Chemistry</i> , 1994, 98, 7929-7932.	2.9	14

#	ARTICLE	IF	CITATIONS
91	Conformational changes of an oxovanadium complex probed by ENDOR spectroscopy and DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4937-4943.	2.8	14
92	Electrochemical and spectroelectrochemical studies of complexes of 1,10-phenanthroline-5,6-dione. <i>Inorganica Chimica Acta</i> , 2011, 374, 435-441.	2.4	14
93	A CW-EPR, ENDOR and special TRIPLE resonance study of a novel magnesium ketyl radical. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, 159-163.	1.9	14
94	Influence of counterions on the structure of bis(oxazoline)copper(ii) complexes; an EPR and ENDOR investigation. <i>Dalton Transactions</i> , 2012, 41, 11085.	3.3	14
95	Aryl Azide Photochemistry in Defined Protein Environments. <i>Organic Letters</i> , 2013, 15, 728-731.	4.6	14
96	EPR investigation of PdI species in palladium-exchanged ZSM-5 and beta zeolites. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 621-628.	2.8	13
97	Divalent first-row transition metal complexes of the rigid pendant-arm ligand 1,4,7-tris(2-aminophenyl)-1,4,7-triazacyclononane. <i>Dalton Transactions RSC</i> , 2000, , 3632-3639.	2.3	13
98	Discrimination of Geometrical Epoxide Isomers by ENDOR Spectroscopy and DFT Calculations: The Role of Hydrogen Bonds. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1414-1416.	13.8	13
99	The electronic structure of N,N'-bis(3,5-di-tert-butylsalicylidene)-1,2-cyclohexane-diamino cobalt(II). <i>Chemical Physics Letters</i> , 2008, 464, 31-37.	2.6	13
100	An EPR investigation of acetonitrile reactivity with superoxide radicals on polycrystalline TiO ₂ . <i>Research on Chemical Intermediates</i> , 2009, 35, 145-154.	2.7	13
101	Structure determination of bound nitrogen-based adducts with copper(II) acetylacetonato; an EPR, ENDOR and DFT study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11445-11454.	2.8	13
102	An EPR characterisation of stable and transient reactive oxygen species formed under radiative and non-radiative conditions. <i>Research on Chemical Intermediates</i> , 2019, 45, 5763-5779.	2.7	13
103	Partial Ionization of Cesium Atoms at Point Defects over Polycrystalline Magnesium Oxide. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10457-10460.	2.6	12
104	Self-Assembled PAA-Based Nanoparticles as Potential Gene and Protein Delivery Systems. <i>Macromolecular Bioscience</i> , 2013, 13, 641-649.	4.1	12
105	Recent applications of electron magnetic resonance (EMR) techniques in heterogeneous catalysis. <i>Current Opinion in Solid State and Materials Science</i> , 2001, 5, 97-104.	11.5	11
106	Heterogeneity of surface colour centres on alkaline earth metal oxides as revealed through EPR/ENDOR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, 381-386.	1.9	11
107	Interactions of an asymmetric amine with a non-C ₂ symmetric Cu-salen complex: An EPR/ENDOR and HYSCORE investigation. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20427.	2.8	11
108	Low valent carbonylvandadium complexes of the triphosphorus macrocycle 12[ane]P ₃ Et ₃ . <i>Dalton Transactions</i> , 2003, , 944-948.	3.3	10

#	ARTICLE	IF	CITATIONS
109	Enantioselective binding of structural epoxide isomers by a chiral vanadyl salen complex: a pulsed EPR, cw-ENDOR and DFT investigation. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6757.	2.8	10
110	Experimental observation of spin delocalisation onto the aryl-alkynyl ligand in the complexes [Mo(Ci ϵ ,CAr)(Ph ₂ PCH ₂ CH ₂ PPh ₂)(i-C ₇ H ₇)] ⁺ (Ar = C ₆ H ₅ , C ₆ H ₄ -4-F; C ₇ H ₇ = cycloheptatrienyl): an EPR and ENDOR investigation. <i>Dalton Transactions</i> , 2010, 39, 11424.	3.3	10
111	Structure and pulsed EPR characterization of N,N ϵ -bis(5-tert-butylsalicylidene)-1,2-cyclohexanediamino-vanadium(IV) oxide and its adducts with propylene oxide. <i>Dalton Transactions</i> , 2011, 40, 7454.	3.3	10
112	The Role of Low Valent Transition Metal Complexes in Homogeneous Catalysis: An EPR Investigation. <i>Topics in Catalysis</i> , 2015, 58, 759-768.	2.8	10
113	Tuning the reactivity of nitriles using Cu(II) catalysis – potentially prebiotic activation of nucleotides. <i>Chemical Science</i> , 2018, 9, 7053-7057.	7.4	10
114	peri-Xanthenoxanthene (PXX): a Versatile Organic Photocatalyst in Organic Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4740.	4.3	10
115	O- radical ions on MgO: a tool for a structural description of the surface. <i>Research on Chemical Intermediates</i> , 2002, 28, 205-214.	2.7	9
116	An ENDOR and DFT analysis of solvatochromic effects in an oxovanadium (IV) complex. <i>Chemical Physics Letters</i> , 2003, 380, 758-766.	2.6	9
117	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. <i>Analytical Chemistry</i> , 2006, 78, 604-608.	6.5	9
118	Multi-frequency high-field EPR study of (H ⁺)(e ⁻) pairs localized at the surface of polycrystalline MgO. <i>Chemical Physics Letters</i> , 2007, 438, 285-289.	2.6	9
119	Probing the role of weak outer sphere interactions (H-bonds) in VO(3,5-tBu ₂ -salophen) Epoxide adducts by EPR, ENDOR and HYSCORE. <i>Chemical Physics Letters</i> , 2010, 486, 74-79.	2.6	9
120	FeS-Induced Radical Formation and Its Effect on Plasmid DNA. <i>Aquatic Geochemistry</i> , 2011, 17, 545-566.	1.3	9
121	EPR/ENDOR and Computational Study of Outer Sphere Interactions in Copper Complexes of Phenolic Oximes. <i>Inorganic Chemistry</i> , 2015, 54, 8465-8473.	4.0	9
122	CW EPR Investigation of Red-Emitting CaS:Eu Phosphors: Rationalization of Local Electronic Structure. <i>Advanced Optical Materials</i> , 2020, 8, 2001241.	7.3	9
123	Structure, EPR/ENDOR and DFT characterisation of a [CuII(en)2](OTf)2 complex. <i>Dalton Transactions</i> , 2013, 42, 15088.	3.3	8
124	An EPR Investigation of Binding Environments by N-Donor Chelating Exchange Resins for Cu Extraction from Aqueous Media. <i>Inorganic Chemistry</i> , 2018, 57, 10857-10866.	4.0	8
125	EPR of paramagnetic centres on solid surfaces. <i>Electron Paramagnetic Resonance</i> , 0, , 279-317.	0.2	8
126	Extreme g-Tensor Anisotropy and Its Insensitivity to Structural Distortions in a Family of Linear Two-Coordinate Ni(II) Bis-N-heterocyclic Carbene Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 1308-1315.	4.0	8

#	ARTICLE	IF	CITATIONS
127	The synthesis and structure of terpyridine-N-oxide complexes of copper(II) perchlorate. Dalton Transactions, 2008, , 506-513.	3.3	7
128	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
129	A novel dual mode X-band EPR resonator for rapid in situ microwave heating. Journal of Magnetic Resonance, 2020, 310, 106644.	2.1	7
130	Long range superhyperfine interactions in polycrystalline vanadium doped SnO ₂ investigated by CW and pulsed ENDOR spectroscopy. Chemical Physics Letters, 2004, 391, 1-8.	2.6	6
131	The manganese relationships of ecophysiologicaly contrasting earthworm species (<i>Lumbricus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Biology, 2007, 43, S297-S302.	3.2	6
132	Evaluating π - π stacking effects in macrocyclic transition metal complexes using EPR techniques. Research on Chemical Intermediates, 2007, 33, 807-823.	2.7	6
133	Solvent dependence of the g-anisotropy in the ESR of cyanide-bridged mixed-valence complexes. Dalton Transactions, 2008, , 6257.	3.3	6
134	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
135	Interaction of an Endosomolytic Polyamidoamine ISA23 with Vesicles Mimicking Intracellular Membranes: A SANS/EPR Study. Macromolecular Bioscience, 2010, 10, 963-973.	4.1	6
136	Electrochemically Driven C-H Hydrogen Abstraction Processes with the Tetrachloro- α -Phthalimido- α -N-oxyl (Cl ₄ -PINO) Catalyst. Electroanalysis, 2018, 30, 1706-1713.	2.9	6
137	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
138	Ambient base-free glycerol oxidation over bimetallic PdFe/SiO ₂ by in situ generated active oxygen species. Research on Chemical Intermediates, 2021, 47, 303-324.	2.7	6
139	EPR of paramagnetic centres of solid surfaces. Electron Paramagnetic Resonance, 0, , 183-221.	0.2	6
140	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
141	Quantifying the micellar structure formed from hydrocarbon-fluorocarbon surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 492, 255-262.	4.7	5
142	An Electron Paramagnetic Resonance (EPR) spectroscopy study on the γ -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
143	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
144	An EPR investigation of defect structure and electron transfer mechanism in mixed-conductive LiBO ₂ -V ₂ O ₅ glasses. Journal of Materials Chemistry A, 2021, 9, 16917-16927.	10.3	4

#	ARTICLE	IF	CITATIONS
145	Probing differences in binding of methylbenzylamine enantiomers to chiral cobalt(ii) salen complexes. Dalton Transactions, 2012, 41, 6861.	3.3	3
146	Generation and EPR characterization of color centers at the surface of ionic oxides. Applied Magnetic Resonance, 1998, 14, 169-182.	1.2	2
147	An EPR, ENDOR and EIE study of β -irradiated poly (lactide-co-glycolide) polymers. Magnetic Resonance in Chemistry, 2006, 44, 929-935.	1.9	2
148	Design Considerations of a Dual Mode X-Band EPR Resonator for Rapid In-Situ Microwave Heating. Applied Magnetic Resonance, 0, , 1.	1.2	2
149	The influence of solvent composition on the coordination environment of the Co/Mn/Br based <i>para</i> -xylene oxidation catalyst as revealed by EPR and ESEEM spectroscopy. Catalysis Science and Technology, 2022, 12, 5274-5280.	4.1	1
150	Chemical Applications of EPR. , 1999, , 190-198.		0
151	Chapter 7. Homogeneous catalytic transformations investigated by EPR spectroscopy. Electron Paramagnetic Resonance, 2014, , 148-193.	0.2	0
152	Monitoring the Substrate-Induced Spin-State Distribution in a Cobalt(II)-Salen Complex by EPR and DFT. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	0