Sabine Van Doorslaer

List of PR Articles by Year
in descending order

179 PR articles	4,038 PR citations	87762 34 PR h-index	96583 61 g-index
188 documents	4609 doc citations	83762 37 h-index	5243 citing authors

#	Article	IF	PR Citations
1	Performance Comparison of Different Rapid Freezeâ€“Quench Strategies for Electron Paramagnetic Resonance. Applied Magnetic Resonance, 2025, 56, 229-252.	0.9	1
2	Interaction of nitrite with ferric protoglobin from Methanosarcina acetivorans â€“ an interesting model for spectroscopic studies of the haemâ€“ligand interaction. Dalton Transactions, 2023, 52, 2976-2987.	3.2	1
3	Compound I Formation and Reactivity in Dimeric Chlorite Dismutase: Impact of pH and the Dynamics of the Catalytic Arginine. Biochemistry, 2023, 62, 835-850.	2.8	3
4	Selfâ€Induced and Progressive Photoâ€Oxidation of Organophosphonic Acid Grafted Titanium Dioxide. ChemPlusChem, 2023, 88, .	2.6	3
5	An Atomically Dispersed Mn-Photocatalyst for Generating Hydrogen Peroxide from Seawater via the Water Oxidation Reaction (WOR). Journal of the American Chemical Society, 2023, 145, 16584-16596.	15.1	182
6	Impact of the dynamics of the catalytic arginine on nitrite and chlorite binding by dimeric chlorite dismutase. Journal of Inorganic Biochemistry, 2022, 227, 111689.	3.0	4
7	Lignin-Supported Heterogeneous Photocatalyst for the Direct Generation of H₂O₂from Seawater. Journal of the American Chemical Society, 2022, 144, 2603-2613.	15.1	201
8	Correlation between the Fluorination Degree of Perfluorinated Zinc Phthalocyanines, Their Singlet Oxygen Generation Ability, and Their Photoelectrochemical Response for Phenol Sensing. Analytical Chemistry, 2022, 94, 5221-5230.	6.6	20
9	Direct Solar Energy-Mediated Synthesis of Tertiary Benzylic Alcohols Using a Metal-Free Heterogeneous Photocatalyst. ACS Sustainable Chemistry and Engineering, 2022, 10, 530-540.	7.1	43
10	Reactive oxygen species formation at Pt nanoparticles revisited by electron paramagnetic resonance and electrochemical analysis. Electrochemistry Communications, 2021, 122, 106878.	3.9	16
11	Structural modeling of a novel membrane-bound globin-coupled sensor in Geobacter sulfurreducens. Computational and Structural Biotechnology Journal, 2021, 19, 1874-1888.	4.0	3
12	Arresting the Catalytic Arginine in Chlorite Dismutases: Impact on Heme Coordination, Thermal Stability, and Catalysis. Biochemistry, 2021, 60, 621-634.	2.8	6
13	On the Track of Long-Range Electron Transfer in B-Type Dye-Decolorizing Peroxidases: Identification of a Tyrosyl Radical by Computational Prediction and Electron Paramagnetic Resonance Spectroscopy. Biochemistry, 2021, 60, 1226-1241.	2.8	17
14	Exploring the oxidative mechanisms of bitumen after laboratory short- and long-term ageing. Construction and Building Materials, 2021, 289, 123182.	7.7	79
15	Copper(II) Complexes of Sulfonated Salan Ligands: Thermodynamic and Spectroscopic Features and Applications for Catalysis of the Henry Reaction. Inorganic Chemistry, 2021, 60, 11259-11272.	4.6	11
16	Light-Induced Charge Transfer in Two-Dimensional Hybrid Lead Halide Perovskites. Journal of Physical Chemistry C, 2021, 125, 18317-18327.	3.1	16
17	Pitfalls in Sample Preparation of Metalloproteins for Low-Temperature EPR: The Example of Alkaline Myoglobin. Applied Magnetic Resonance, 2021, 53, 1105-1119.	0.9	7
18	In Vitro Heme Coordination of a Dye-Decolorizing Peroxidaseâ€”The Interplay of Key Amino Acids, pH, Buffer and Glycerol. International Journal of Molecular Sciences, 2021, 22, 9849.	4.5	1

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19	Towards Developing a Screening Strategy for Ecstasy: Revealing the Electrochemical Profile. ChemElectroChem, 2021, 8, 4826-4834.	2.9	22
20	Structural and Functional Characterization of the Globin-Coupled Sensors ofAzotobacter vinelandiiandBordetella pertussis. Antioxidants and Redox Signaling, 2020, 32, 378-395.	6.5	9
21	A Versatile Inâ€Situ Electron Paramagnetic Resonance Spectroâ€electrochemical Approach for Electrocatalyst Research. ChemElectroChem, 2020, 7, 4578-4586.	2.9	18
22	ZnTi layered double hydroxides as photocatalysts for salicylic acid degradation under visible light irradiation. Applied Clay Science, 2020, 197, 105757.	5.7	19
23	The Non-innocent Role of Spin Traps in Monitoring Radical Formation in Copper-Catalyzed Reactions. Applied Magnetic Resonance, 2020, 51, 1529-1542.	0.9	3
24	The Interplay of Stability between Donor and Acceptor Materials in a Fullereneâ€Free Bulk Heterojunction Solar Cell Blend. Advanced Energy Materials, 2020, 10, .	22.4	26
25	EPR of Compound I: An Illustrated Revision of the Theoretical Model. Applied Magnetic Resonance, 2020, 51, 1559-1589.	0.9	7
26	Synthesis â€“ properties correlation and the unexpected role of the titania support on the Grignard surface modification. Applied Surface Science, 2020, 527, 146851.	6.7	5
27	Thiosulfonylation of Unactivated Alkenes with Visible-Light Organic Photocatalysis. ACS Catalysis, 2020, 10, 8765-8779.	12.9	102
28	Experimental investigation of the oxidative ageing mechanisms in bitumen. Construction and Building Materials, 2020, 260, 119702.	7.7	56
29	Amperometric Flow-Injection Analysis of Phenols Induced by Reactive Oxygen Species Generated under Daylight Irradiation of Titania Impregnated with Horseradish Peroxidase. Analytical Chemistry, 2020, 92, 3643-3649.	6.6	25
30	Surprising differences in the respiratory protein of insects: A spectroscopic study of haemoglobin from the European honeybee and the malaria mosquito. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140413.	2.1	1
31	EPR Characterization of the Light-Induced Negative Polaron in a Functionalized Dithienylthiazolo[5,4-d]thiazole Acceptor for Organic Photovoltaics. Applied Magnetic Resonance, 2019, 50, 1253-1265.	0.9	3
32	Enzymatic sensor for phenols based on titanium dioxide generating surface confined ROS after treatment with H2O2. Sensors and Actuators B: Chemical, 2019, 283, 343-348.	7.7	13
33	Disentangling overlapping high-field EPR spectra of organic radicals: Identification of light-induced polarons in the record fullerene-free solar cell blend PBDB-T:ITIC. Journal of Magnetic Resonance, 2018, 288, 1-10.	1.7	19
34	Identifying intermediates in the reductive intramolecular cyclisation of allyl 2-bromobenzyl ether by an improved electron paramagnetic resonance spectroelectrochemical electrode design combined with density functional theory calculations. Electrochimica Acta, 2018, 271, 10-18.	5.3	15
35	Electron paramagnetic resonance of globin proteinsÂâ€“Âa successful match between spectroscopic development and protein research. Molecular Physics, 2018, 116, 287-309.	2.4	8
36	Hydration and Confinement Effects on Horse Heart Myoglobin Adsorption in Mesoporous TiO2. Journal of Physical Chemistry C, 2018, 122, 23393-23404.	3.1	4

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37	A continuous in-situ EPR electrochemical reactor as a rapid in-depth mechanistic screening tool for electrocatalysis. Electrochemistry Communications, 2018, 97, 42-45.	3.9	9
38	Roles of distal aspartate and arginine of B-class dye-decolorizing peroxidase in heterolytic hydrogen peroxide cleavage. Journal of Biological Chemistry, 2018, 293, 14823-14838.	2.3	51
39	The effect of reactive oxygen and nitrogen species on the structure of cytoglobin: A potential tumor suppressor. Redox Biology, 2018, 19, 1-10.	11.0	41
40	Electron Paramagnetic Resonance and DFT Analysis of the Effects of Bulky Perfluoroalkyl Substituents on a Vanadyl Perfluoro Phthalocyanine. Zeitschrift Fur Physikalische Chemie, 2017, 231, 887-903.	2.7	9
41	The use of composite pulses for improving DEER signal at 94 GHz. Journal of Magnetic Resonance, 2017, 278, 122-133.	1.7	15
42	The effect of the buffer solution on the adsorption and stability of horse heart myoglobin on commercial mesoporous titanium dioxide: a matter of the right choice. Physical Chemistry Chemical Physics, 2017, 19, 13503-13514.	2.8	22
43	Antarctic fish versus human cytoglobins â€“ The same but yet so different. Journal of Inorganic Biochemistry, 2017, 173, 66-78.	3.0	16
44	Understanding heme proteins with hyperfine spectroscopy. Journal of Magnetic Resonance, 2017, 280, 79-88.	1.7	14
45	Mechanistic Insight into the Photocatalytic Working of Fluorinated Anatase {001} Nanosheets. Journal of Physical Chemistry C, 2017, 121, 26275-26286.	3.1	24
46	Low bandgap polymers based on bay-annulated indigo for organic photovoltaics: Enhanced sustainability in material design and solar cell fabrication. Organic Electronics, 2017, 50, 264-272.	2.6	17
47	Characterization of the Heme Pocket Structure and Ligand Binding Kinetics of Non-symbiotic Hemoglobins from the Model Legume Lotus japonicus. Frontiers in Plant Science, 2017, 8, .	4.1	15
48	EPR and DFT analysis of biologically relevant chromium(V) complexes with d -glucitol and d -glucose. Journal of Inorganic Biochemistry, 2016, 162, 216-226.	3.0	0
49	Paramagnetic spherical nanoparticles by the self-assembly of persistent trityl radicals. Physical Chemistry Chemical Physics, 2016, 18, 3151-3158.	2.8	21
50	Fourth stable radical species in X-irradiated solid-state sucrose. Physical Chemistry Chemical Physics, 2016, 18, 10983-10991.	2.8	6
51	Mechanism of the Cu^{II}-catalyzed benzylic oxygenation of (aryl)(heteroaryl)methanes with oxygen. Chemical Science, 2016, 7, 346-357.	7.2	97
52	Multiâ€frequency (S, X, Q and Wâ€band) EPR and ENDOR Study of Vanadium(IV) Incorporation in the Aluminium Metalâ€“Organic Framework MILâ€53. ChemPhysChem, 2015, 16, 2968-2973.	2.0	22
53	Structural Bases for the Regulation of CO Binding in the Archaeal Protoglobin from Methanosarcina acetivorans. PLoS ONE, 2015, 10, e0125959.	2.4	5
54	Novel method to synthesize highly ordered ethane-bridged PMOs under mild acidic conditions: Taking advantages of phosphoric acid. Microporous and Mesoporous Materials, 2015, 207, 61-70.	4.7	6

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55	Self-assembled trityl radical capsules â€“ implications for dynamic nuclear polarization. Physical Chemistry Chemical Physics, 2015, 17, 5785-5794.	2.8	25
56	New insights into the mesophase transformation of ethane-bridged PMOs by the influence of different counterions under basic conditions. RSC Advances, 2015, 5, 5553-5562.	4.4	6
57	EPR Analysis of Imidazole Binding to Methanosarcina acetivorans Protoglobin. Applied Magnetic Resonance, 2015, 46, 421-433.	0.9	5
58	Probing the Coordinative Unsaturation and Local Environment of Ti³⁺â€¦Sites in an Activated Highâ€Yield Zieglerâ€“Natta Catalyst. Angewandte Chemie - International Edition, 2015, 54, 4857-4860.	14.1	78
59	Probing the coordination environment of Ti³⁺ions coordinated to nitrogen-containing Lewis bases. Physical Chemistry Chemical Physics, 2015, 17, 20853-20860.	2.8	8
60	The homopentameric chlorite dismutase from Magnetospirillum sp.. Journal of Inorganic Biochemistry, 2015, 151, 1-9.	3.0	14
61	Direct-synthesis method towards copper-containing periodic mesoporous organosilicas: detailed investigation of the copper distribution in the material. Dalton Transactions, 2015, 44, 9970-9979.	3.2	11
62	A Globin Domain in a Neuronal Transmembrane Receptor of Caenorhabditis elegans and Ascaris suum. Journal of Biological Chemistry, 2015, 290, 10336-10352.	2.3	8
63	Light-Induced Processes in Plasmonic Gold/TiO2 Photocatalysts Studied by Electron Paramagnetic Resonance. Topics in Catalysis, 2015, 58, 776-782.	2.5	43
64	Ligand Binding to Chlorite Dismutase from Magnetospirillum sp.. Journal of Physical Chemistry B, 2015, 119, 13859-13869.	2.8	13
65	Chemical Composition of an Aqueous Oxalato-/Citrato-VO²⁺Solution as Determinant for Vanadium Oxide Phase Formation. Inorganic Chemistry, 2015, 54, 69-78.	4.6	6
66	Chemical changes in irradiated polypropylene studied by X-ray photoabsorption and advanced EPR/ENDOR spectroscopies. European Polymer Journal, 2014, 53, 223-229.	5.9	10
67	EPR analysis of cyanide complexes of wild-type human neuroglobin and mutants in comparison to horse heart myoglobin. Biophysical Chemistry, 2014, 190-191, 8-16.	2.1	4
68	Electronic Structure of the Positive Radical of 13C-Labeled Poly(3-Octylthienylene Vinylene) Polymer. Applied Magnetic Resonance, 2014, 45, 827-839.	0.9	2
69	Photoreduction and light-induced triplet-state formation in a single-site fluoroalkylated zinc phthalocyanine. Dalton Transactions, 2014, 43, 14942-14948.	3.2	15
70	Probing frameworkâ€“guest interactions in phenylene-bridged periodic mesoporous organosilica using spin-probe EPR. Physical Chemistry Chemical Physics, 2014, 16, 22623-22631.	2.8	11
71	EPR investigation of TiCl₃dissolved in polar solvents â€“ implications for the understanding of active Ti(<scp>iii</scp>) species in heterogeneous Zieglerâ€“Natta catalysts. Physical Chemistry Chemical Physics, 2014, 16, 19625.	2.8	18
72	Aqueous citrato-oxovanadate(<scp>iv</scp>) precursor solutions for VO₂: synthesis, spectroscopic investigation and thermal analysis. Dalton Transactions, 2014, 43, 12614-12623.	3.2	18

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73	Electronic structure of positive and negative polarons in functionalized dithienylthiazolo[5,4-d]thiazoles: a combined EPR and DFT study. Physical Chemistry Chemical Physics, 2014, 16, 10032.	2.8	15
74	Distance determination between low-spin ferric haem and nitroxide spin label using DEER: the neuroglobin case. Molecular Physics, 2013, 111, 2855-2864.	2.4	19
75	Effects of copper and vanadium deposition in multi-walled hydrogen trititanate and mixed-phase anatase/trititanate nanotubes. Dalton Transactions, 2013, 42, 12148.	3.2	2
76	Is the heme pocket region modulated by disulfide-bridge formation in fish and amphibian neuroglobins as in humans?. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1757-1763.	2.1	8
77	V₆O₁₃films by control of the oxidation state from aqueous precursor to crystalline phase. Dalton Transactions, 2013, 42, 959-968.	3.2	25
78	Influence of Synthesis Conditions on Properties of Ethane-Bridged Periodic Mesoporous Organosilica Materials as Revealed by Spin-Probe EPR. Journal of Physical Chemistry C, 2013, 117, 22723-22731.	3.1	11
79	Photocatalytic Removal of Soot: Unravelling of the Reaction Mechanism by EPR and in situ FTIR Spectroscopy. ChemPhysChem, 2012, 13, 4251-4257.	2.0	18
80	Probing differences in binding of methylbenzylamine enantiomers to chiral cobalt(ii) salen complexes. Dalton Transactions, 2012, 41, 6861.	3.2	4
81	Specific His₆-tag Attachment to Metal-Functionalized Polymersomes Relies on Molecular Recognition. Journal of Physical Chemistry B, 2012, 116, 10113-10124.	2.8	19
82	Charge transfer in the weak driving force limit in blends of MDMO-PPV and dithienylthiazolo[5,4-d]thiazoles towards organic photovoltaics with high VOC. Physical Chemistry Chemical Physics, 2012, 14, 15774.	2.8	13
83	Marked Difference in the Electronic Structure of Cyanide-Ligated Ferric Protoglobins and Myoglobin Due to Heme Ruffling. Inorganic Chemistry, 2012, 51, 8834-8841.	4.6	18
84	Paramagnetic nanoparticles as potential MRI contrast agents: characterization, NMR relaxation, simulations and theory. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 467-478.	1.7	44
85	An N-Myristoylated Globin with a Redox-Sensing Function That Regulates the Defecation Cycle in Caenorhabditis elegans. PLoS ONE, 2012, 7, e48768.	2.4	15
86	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.	4.6	18
87	Copper(II)-Binding Ability of Stereoisomeric cis- and trans-2-Aminocyclohexanecarboxylic Acidâ€“<scp>l</scp>-Phenylalanine Dipeptides. A Combined CW/Pulsed EPR and DFT Study. Inorganic Chemistry, 2012, 51, 1386-1399.	4.6	21
88	Ligation Tunes Protein Reactivity in an Ancient Haemoglobin: Kinetic Evidence for an Allosteric Mechanism in Methanosarcina acetivorans Protoglobin. PLoS ONE, 2012, 7, e33614.	2.4	14
89	Visualizing Diastereomeric Interactions of Chiral Amineâ€“Chiral Copper Salen Adducts by EPR Spectroscopy and DFT. Inorganic Chemistry, 2011, 50, 6944-6955.	4.6	22
90	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	12

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91	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.	3.2	10
92	New insights on the mechanism of oxidation of d-galacturonic acid by hypervalent chromium. Dalton Transactions, 2011, 40, 7033.	3.2	8
93	Hydration Structure of the Ti(III) Cation as Revealed by Pulse EPR and DFT Studies: New Insights into a Textbook Case. Inorganic Chemistry, 2011, 50, 2385-2394.	4.6	37
94	Elucidating the Nature and Reactivity of Ti Ions Incorporated in the Framework of AlPO-5 Molecular Sieves. New Evidence from³¹P HYSCORE Spectroscopy. Journal of the American Chemical Society, 2011, 133, 7340-7343.	15.1	41
95	A surprising system: polymeric nanoreactors containing a mimic with dual-enzyme activity. Soft Matter, 2011, 7, 5595.	2.7	47
96	The solid-state organization of â€˜self-dopedâ€™ PPV oligomers. Physical Chemistry Chemical Physics, 2011, 13, 18516.	2.8	3
97	Direct spectroscopic evidence for binding of anastrozole to the iron heme of human aromatase. Peering into the mechanism of aromatase inhibition. Chemical Communications, 2011, 47, 10737.	3.9	38
98	Unraveling the Photocatalytic Activity of Multiwalled Hydrogen Trititanate and Mixed-Phase Anatase/Trititanate Nanotubes: A Combined Catalytic and EPR Study. Journal of Physical Chemistry C, 2011, 115, 2302-2313.	3.1	22
99	Axial ligation of the high-potential heme center in an Arabidopsis cytochrome b 561. FEBS Letters, 2011, 585, 545-548.	2.8	12
100	Olefin isomerization reactions catalyzed by ruthenium hydrides bearing Schiff base ligands. Applied Organometallic Chemistry, 2011, 25, 601-607.	3.8	13
101	EPR investigation of the role of B10 phenylalanine in neuroglobin â€” Evidence that B10Phe mediates structural changes in the heme region upon disulfide-bridge formation. Journal of Inorganic Biochemistry, 2011, 105, 1131-1137.	3.0	15
102	Synthesis, X-ray Structure, Magnetic Resonance, and DFT Analysis of a Soluble Copper(II) Phthalocyanine Lacking Câ^'H Bonds. Inorganic Chemistry, 2010, 49, 8779-8789.	4.6	38
103	The heme pocket of the globin domain of the globin-coupled sensor of Geobacter sulfurreducens â€” An EPR study. Journal of Inorganic Biochemistry, 2010, 104, 1022-1028.	3.0	9
104	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.	2.8	9
105	Globin-like proteins in Caenorhabditis elegans: in vivo localization, ligand binding and structural properties. BMC Biochemistry, 2010, 11, .	4.5	24
106	The nature of Cu(II) species in ATRP: New insights via EPR. Journal of Polymer Science Part A, 2010, 48, 1493-1501.	2.3	8
107	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.	4.6	43
108	Accessibility and Dispersion of Vanadyl Sites of Vanadium Silicate-1 Nanoparticles Deposited in SBA-15. Journal of Physical Chemistry C, 2010, 114, 12966-12975.	3.1	13

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109	High-frequency EPR applications of open nonradiative resonators. Journal of Magnetic Resonance, 2009, 200, 29-37.	1.7	5
110	The power of electron paramagnetic resonance to study asymmetric homogeneous catalysts based on transition-metal complexes. Coordination Chemistry Reviews, 2009, 253, 2116-2130.	23.2	21
111	Ammoniated Electrons Stabilized at the Surface of MgO. Journal of the American Chemical Society, 2009, 131, 12664-12670.	15.1	7
112	HisE11 and HisF8 Provide Bis-histidyl Heme Hexa-coordination in the Globin Domain of Geobacter sulfurreducens Globin-coupled Sensor. Journal of Molecular Biology, 2009, 386, 246-260.	4.2	51
113	ENDOR and HYSCORE analysis and DFT-assisted identification of the third major stable radical in sucrose single crystals X-irradiated at room temperature. Physical Chemistry Chemical Physics, 2009, 11, 1105.	2.8	28
114	Structural characterization of a highly active superoxide-dismutase mimic. Physical Chemistry Chemical Physics, 2009, 11, 6778.	2.8	26
115	Direct spectroscopic detection of framework-incorporated vanadium in mesoporous silica materials. Physical Chemistry Chemical Physics, 2009, 11, 5823.	2.8	23
116	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
117	Unusual flexibility of distal and proximal histidine residues in the haem pocket of Drosophila melanogaster haemoglobin. Metallomics, 2009, 1, 256.	2.6	5
118	Spectral characterization of the recombinant mouse tumor suppressor 101F6 protein. European Biophysics Journal, 2009, 39, 1129-1142.	2.1	11
119	A Pulsed EPR and DFT Investigation of the Stabilization of Coordinated Phenoxyl Radicals in a Series of Cobalt Schiff-Base Complexes. Applied Magnetic Resonance, 2009, 37, 289-303.	0.9	6
120	Characterisation of Nanohybrids of Porphyrins with Metallic and Semiconducting Carbon Nanotubes by EPR and Optical Spectroscopy. ChemPhysChem, 2008, 9, 1930-1941.	2.0	18
121	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.	2.8	13
122	The hemoglobins of the trematodes Fasciola hepatica and Paramphistomum epiclitum: A molecular biological, physicoâ€chemical, kinetic, and vaccination study. Protein Science, 2008, 17, 1653-1662.	6.0	13
123	Multifrequency EPR analysis of the positive polaron in I2-doped poly(3-hexylthiophene) and in poly[2-methoxy-5-(3,7-dimethyloctyloxy)]-1,4-phenylenevinylene. Physical Chemistry Chemical Physics, 2008, 10, 7129.	2.8	79
124	EPR, ENDOR and HYSCORE study of X-ray induced centres in K2YF5 thermoluminescent phosphors. Physical Chemistry Chemical Physics, 2008, 10, 1789.	2.8	6
125	A Multifrequency HYSCORE Study of Weakly Coupled Nuclei in Frozen Solutions of High-Spin Aquometmyoglobin. Inorganic Chemistry, 2008, 47, 11294-11304.	4.6	17
126	A Multi-Frequency Pulse EPR and ENDOR Approach to Study Strongly Coupled Nuclei in Frozen Solutions of High-Spin Ferric Heme Proteins. Journal of Physical Chemistry B, 2008, 112, 3859-3870.	2.8	45

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127	Characterization of a Globin-coupled Oxygen Sensor with a Gene-regulating Function. Journal of Biological Chemistry, 2007, 282, 37325-37340.	2.3	33
128	Micro-resonance Raman study of optically trapped Escherichia coli cells overexpressing human neuroglobin. Journal of Biomedical Optics, 2007, 12, 044009.	2.3	14
129	Neuroglobin and cytoglobin as potential enzyme or substrate. Gene, 2007, 398, 103-113.	2.4	51
130	The strength of EPR and ENDOR techniques in revealing structureâ€“function relationships in metalloproteins. Physical Chemistry Chemical Physics, 2007, 9, 4620.	2.8	76
131	Probing the heme-pocket structure of the paramagnetic forms of cytoglobin and a distal histidine mutant using electron paramagnetic resonance. Molecular Physics, 2007, 105, 2073-2086.	2.4	14
132	A combined micro-resonance Raman and absorption set-up enabling in vivo studies under varying physiological conditions: The nerve globin in the nerve cord of Aphrodite aculeata. Journal of Proteomics, 2007, 70, 627-633.	1.6	7
133	Evaluating Ï€-Ï€ stacking effects in macrocyclic transition metal complexes using EPR techniques. Research on Chemical Intermediates, 2007, 33, 807-823.	3.1	6
134	Studying high-spin ferric heme proteins by pulsed EPR spectroscopy: Analysis of the ferric form of the E7Q mutant of human neuroglobin. Applied Magnetic Resonance, 2007, 31, 553-572.	0.9	19
135	Matrix effects on copper(ii)phthalocyanine complexes. A combined continuous wave and pulse EPR and DFT study. Physical Chemistry Chemical Physics, 2006, 8, 1942.	2.8	59
136	Vanadium Silicalite-1 Nanoparticles Deposition onto the Mesoporous Walls of SBA-15. Mechanistic Insights from a Combined EPR and Raman Study. Journal of the American Chemical Society, 2006, 128, 8955-8963.	15.1	34
137	Analyzing heme proteins using EPR techniques: the heme-pocket structure of ferric mouse neuroglobin. Journal of Biological Inorganic Chemistry, 2006, 11, 467-475.	2.5	26
138	The Nerve Hemoglobin of the Bivalve Mollusc Spisula solidissima. Journal of Biological Chemistry, 2006, 281, 5364-5372.	2.3	38
139	Structural analysis of newly designed platinum compounds with interesting conductivity and optical properties. Physical Chemistry Chemical Physics, 2005, 7, 405-412.	2.8	5
140	Nature of the Chemical Bond between Metal Atoms and Oxide Surfaces:Â New Evidences from Spin Density Studies of K Atoms on Alkaline Earth Oxides. Journal of the American Chemical Society, 2005, 127, 16935-16944.	15.1	83
141	Characterization of Nonsymbiotic Tomato Hemoglobin. Biophysical Journal, 2005, 89, 2628-2639.	2.2	50
142	Spin Density and Coenzyme M Coordination Geometry of the ox1 Form of Methyl-Coenzyme M Reductase:â€‰ A Pulse EPR Study. Journal of the American Chemical Society, 2005, 127, 17744-17755.	15.1	58
143	Copper(II) Binding to the Human Doppel Protein May Mark Its Functional Diversity from the Prion Protein. Journal of Biological Chemistry, 2004, 279, 36497-36503.	2.3	30
144	Temperature dependence of NO binding modes in human neuroglobin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2004, 1702, 153-161.	2.1	22

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145	Analysing low-spin ferric complexes using pulse EPR techniques: a structure determination of bis (4-methylimidazole)(tetraphenylporphyrinato)iron(iii). Physical Chemistry Chemical Physics, 2004, 6, 5324.	2.8	32
146	Structural Change of the Heme Pocket Due to Disulfide Bridge Formation Is Significantly Larger for Neuroglobin than for Cytoglobin. Journal of the American Chemical Society, 2004, 126, 4516-4517.	15.1	67
147	Novel Routes to Cu(salicylaldimine) Covalently Bound to Silica:Â Combined Pulse EPR and in Situ Attenuated Total Reflection-IR Studies of the Immobilization. Inorganic Chemistry, 2003, 42, 2559-2571.	4.6	49
148	Characterization of the MCRred2 form of methyl-coenzyme M reductase: a pulse EPR and ENDOR study. Journal of Biological Inorganic Chemistry, 2003, 8, 586-593.	2.5	33
149	Coenzyme B Induced Coordination of Coenzyme M via Its Thiol Group to Ni(I) of F430in Active Methyl-Coenzyme M Reductase. Journal of the American Chemical Society, 2003, 125, 4988-4989.	15.1	61
150	Stability and Cu(II) Binding of Prion Protein Variants Related to Inherited Human Prion Diseases. Biophysical Journal, 2003, 84, 1985-1997.	2.2	45
151	Axial Solvent Coordination in â€œBase-Offâ€•Cob(II)alamin and Related Co(II)-Corrinates Revealed by 2D-EPR. Journal of the American Chemical Society, 2003, 125, 5915-5927.	15.1	63
152	Nitric Oxide Binding Properties of Neuroglobin. Journal of Biological Chemistry, 2003, 278, 4919-4925.	2.3	117
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