

Philippe Turek

List of Publications by Year in Descending Order

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

86

papers

2,881

citations

27

h-index

51

g-index

86

ext. papers

3,022

ext. citations

5.3

avg, IF

4.38

L-index

#	Paper	IF	Citations
86	Room-temperature spin nutations in a magnetically condensed phase of [Y(pc)] <i>Chemical Communications</i> , 2021 , 57, 11505-11508	5.8	1
85	Observation and deconvolution of a unique EPR signal from two cocrystallized spin triangles. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 14415-14421	3.6	
84	Broadband electron paramagnetic resonance of a molecular spin triangle. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 20268-20274	3.6	
83	Mesoporous TiO anatase films for enhanced photocatalytic activity under UV and visible light.. <i>RSC Advances</i> , 2020 , 10, 38233-38243	3.7	3
82	Nitrite Reduction by Trinuclear Copper Pyrazolate Complexes: An Example of a Catalytic, Synthetic Polynuclear NO Releasing System. <i>Inorganic Chemistry</i> , 2019 , 58, 7537-7544	5.1	13
81	Relevance of Dzyaloshinskii-Moriya spectral broadenings in promoting spin decoherence: a comparative pulsed-EPR study of two structurally related iron(iii) and chromium(iii) spin-triangle molecular qubits. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 19575-19584	3.6	3
80	Polyanisotropic Magnetoelectric Coupling in an Electrically Controlled Molecular Spin Qubit. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19765-19775	16.4	9
79	Development of an electron paramagnetic resonance methodology for studying the photo-generation of reactive species in semiconductor nano-particle assembled films. <i>Molecular Physics</i> , 2018 , 116, 1558-1564	1.7	4
78	Potential of EPR spin-trapping to investigate in situ free radicals generation from skin allergens in reconstructed human epidermis: cumene hydroperoxide as proof of concept. <i>Free Radical Research</i> , 2018 , 52, 171-179	4	10
77	Milling effect on the photo-activated properties of (hbox {TiO}_{2}) nanoparticles: electronic and structural investigations. <i>Bulletin of Materials Science</i> , 2018 , 41, 1	1.7	9
76	Statu quo sur la mEhanation du dioxyde de carbone : une revue de la littEature. <i>Comptes Rendus Chimie</i> , 2018 , 21, 427-469	2.7	10
75	Highly Reactive TiO2 Anatase Single Crystal Domains Grown by Atomic Layer Deposition. <i>Crystal Growth and Design</i> , 2018 , 18, 4929-4936	3.5	6
74	Interactions between H-bonded [Cu(EOH)] triangles; a combined magnetic susceptibility and EPR study. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 17234-17244	3.6	13
73	Determination of the Distributions of the Spin-Hamiltonian Parameters in Spin Triangles: A Combined Magnetic Susceptometry and Electron Paramagnetic Resonance Spectroscopic Study of the Highly Symmetric [CrO(PhCOO)(py)](ClO)0.5py. <i>Inorganic Chemistry</i> , 2018 , 57, 13259-13269	5.1	10
72	First Demonstration of Magnetoelectric Coupling in a Polynuclear Molecular Nanomagnet: Single-Crystal EPR Studies of [Fe O(O CPh) (py)]ClO ?py under Static Electric Fields. <i>Chemistry - A European Journal</i> , 2018 , 24, 14896-14900	4.8	27
71	Towards ionic liquids with tailored magnetic properties: bmim salts of ferro- and antiferromagnetic Cu triangles. <i>Dalton Transactions</i> , 2017 , 46, 12263-12273	4.3	14
70	Ruthenium Carbon-Rich Group as a Redox-Switchable Metal Coupling Unit in Linear Trinuclear Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 14540-14555	5.1	5

69	Electronic and magnetic interactions in diporphyrinylamines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016 , 20, 1233-1243	1.8	2
68	Pertinent parameters in photo-generation of electrons: Comparative study of anatase-based nano-TiO ₂ suspensions. <i>Journal of Colloid and Interface Science</i> , 2016 , 467, 300-306	9.3	4
67	Investigating Sequential Vapor Infiltration Synthesis on Block-Copolymer-Templated Titania Nanoarrays. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 7067-7076	3.8	23
66	Zwitterionic Cobalt Complexes with Bis(diphenylphosphino)(N-thioether)amine Assembling Ligands: Structural, EPR, Magnetic, and Computational Studies. <i>Inorganic Chemistry</i> , 2016 , 55, 4183-98	5.1	10
65	Electrocatalytic Properties of Metal Phthalocyanine Tetrasulfonate Intercalated in Metal Layered Simple Hydroxides (Metal: Co, Cu, and Zn). <i>Journal of Physical Chemistry C</i> , 2015 , 119, 13335-13342	3.8	16
64	Spin wave free spectrum and magnetic field gradient of nanopatterned planes of ferromagnetic cobalt nanoparticles: key properties for magnetic resonance based quantum computing. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	2
63	3D ordered mesoporous Fe-KIT-6 catalysts for methylcyclopentane (MCP) conversion and carbon dioxide (CO ₂) hydrogenation for energy and environmental applications. <i>Applied Catalysis A: General</i> , 2015 , 504, 672-681	5.1	45
62	Ruthenium Carbon-Rich Complexes as Redox Switchable Metal Coupling Units. <i>Inorganic Chemistry</i> , 2015 , 54, 6347-55	5.1	17
61	New metal phthalocyanines/metal simple hydroxide multilayers: experimental evidence of dipolar field-driven magnetic behavior. <i>Inorganic Chemistry</i> , 2014 , 53, 1184-94	5.1	15
60	Diarylethene-containing carbon-rich ruthenium organometallics: tuning of electrochromism. <i>Inorganic Chemistry</i> , 2014 , 53, 8172-88	5.1	38
59	A fully enzymatic method for site-directed spin labeling of long RNA. <i>Nucleic Acids Research</i> , 2014 , 42, e117	20.1	21
58	Intrinsic decoherence and Rabi oscillation damping of Mn ²⁺ and Co ²⁺ electron spin qubits in bulk ZnO. <i>Europhysics Letters</i> , 2013 , 104, 47005	1.6	6
57	Experimental and theoretical study of the n-doped successive polyanions of oligocruciform molecular wires: up to five units of charge. <i>ChemPhysChem</i> , 2013 , 14, 958-69	3.2	4
56	Windowsill Hydrogen Production under Daylight Irradiation. <i>ChemPlusChem</i> , 2013 , 78, 1330-1333	2.8	3
55	Mo/KIT-6, Fe/KIT-6 and MoFe/KIT-6 as new types of heterogeneous catalysts for the conversion of MCP. <i>Microporous and Mesoporous Materials</i> , 2012 , 155, 131-142	5.3	67
54	Magnetic properties of gold nanoparticles: a room-temperature quantum effect. <i>ChemPhysChem</i> , 2012 , 13, 3092-7	3.2	59
53	Modulation of self-assembly and magnetism of Cu(II) grids in solution. <i>Chemical Communications</i> , 2011 , 47, 10951-3	5.8	16
52	Novel Cr(III) dinuclear complexes supported by salicyloylhydrazono dithiolane and dithiane ligands: synthesis, stability, crystal structures and magnetic properties. <i>Dalton Transactions</i> , 2010 , 39, 4579-85	4.3	13

51	"Chain-like" trimetallic ruthenium complexes with C7 carbon-rich bridges: experimental and theoretical investigations of electronic communication tuning in five distinct oxidation states. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5638-51	16.4	76
50	Stability, molecular structures and magnetic properties of dinuclear iron complexes supported by benzoic hydrazide derivative ligands. <i>Inorganica Chimica Acta</i> , 2010 , 363, 213-220	2.7	13
49	Spontaneous Reduction of High-Spin FeIII Complexes Supported by Benzoic Hydrazide Derivative Ligands. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3734-3741	2.3	11
48	Stable and highly persistent quinoxaline-centered metalloorganic radical anions: preparation, structural, spectroscopic, and computational investigations. <i>Inorganic Chemistry</i> , 2009 , 48, 149-63	5.1	14
47	Radical Anions of Metallo-organic Diazines: Structural, Spectroscopic, and Theoretical Investigation of a Pyrazyl Radical Anion. <i>Organometallics</i> , 2009 , 28, 6194-6200	3.8	6
46	Synthesis and magnetic properties of new mono- and binuclear iron complexes with salicyloylhydrazono dithiolane ligand. <i>Inorganic Chemistry</i> , 2008 , 47, 7623-30	5.1	25
45	Electronic communication in "chain-like" trimetallic ruthenium complexes with two C7 carbon-rich conjugated bridges. <i>Chemical Communications</i> , 2007 , 3100-2	5.8	27
44	Synthesis and properties of TRANS DIP, a rigid chelator built upon a cyclodextrin cavity: is TRANS DIP an authentic trans-spanning ligand?. <i>Chemistry - A European Journal</i> , 2007 , 13, 9448-61	4.8	49
43	Unexpected Outcome in the Reaction of Triazolinedione with Carbon Nanotubes. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 4817-4819	3.2	1
42	New spin-transition-like copper(II)-nitroxide species. <i>Inorganic Chemistry</i> , 2007 , 46, 7545-52	5.1	32
41	Built-in axial base binding on phenanthroline-strapped zinc(II) and iron(III) porphyrins. <i>Inorganic Chemistry</i> , 2006 , 45, 10750-7	5.1	8
40	C7 and C9 carbon-rich bridges in diruthenium systems: synthesis, spectroscopic, and theoretical investigations of different oxidation States. <i>Journal of the American Chemical Society</i> , 2006 , 128, 5859-76	16.4	93
39	Intramolecular exchange interactions in non-aromatic bis-nitronyl-nitroxides. <i>Journal of Materials Chemistry</i> , 2005 , 15, 850-858		15
38	No ferromagnetism in Mn doped ZnO semiconductors. <i>Chemical Physics Letters</i> , 2005 , 415, 337-341	2.5	89
37	Enantiopure and Racemic Chiral Nitronyl Nitroxide Free Radicals: Synthesis and Characterization. <i>European Journal of Organic Chemistry</i> , 2005 , 2005, 348-359	3.2	23
36	Towards a better understanding of magnetic interactions within m-phenylene alpha-nitronyl nitroxide and imino nitroxide based radicals, part III: Magnetic exchange in a series of triradicals and tetradicals based on the phenyl acetylene and biphenyl coupling units. <i>Chemistry - A European Journal</i> , 2005 , 11, 2440-54	4.8	29
35	Intramolecular exchange interaction in twofold spin-labelled platinum complexes. <i>Chemical Communications</i> , 2004 , 2050-1	5.8	17
34	Strong exchange interactions between two radicals attached to nonaromatic spacers deduced from magnetic, EPR, NMR, and electron density measurements. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12604-13	16.4	55

33	Electronic and Structural Evidences for Charge Transfer and Localization in Iodine-Doped Pentacene. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 8170-8179	2.8	41
32	Aminomethyl-bipyridine bearing two flexible nitronyl-nitroxide arms: a new podand for complexation of transition metals in a facial or meridional conformation. <i>Inorganic Chemistry</i> , 2003 , 42, 2938-49	5.1	25
31	Spin exchange interaction through phenylene-ethynylene bridge in diradicals based on iminonitroxide and nitronyl nitroxide radical derivatives. 1. Experimental investigation of the through-bond spin exchange coupling. <i>Journal of Organic Chemistry</i> , 2003 , 68, 8025-36	4.2	82
30	Molecular tectonics: structural and magnetic properties of a discrete copper binuclear complex and a 1-D coordination network. <i>New Journal of Chemistry</i> , 2003 , 27, 1801-1805	3.6	11
29	Conformational effects on the magnetic ground state of diradicals coupled through extended conjugated chains. A theoretical investigation. <i>Polyhedron</i> , 2001 , 20, 1571-1576	2.7	15
28	Towards a better understanding of the magnetic interactions within m-phenylene alpha-nitronyl imino nitroxide based biradicals. <i>Chemistry - A European Journal</i> , 2001 , 7, 2466-80	4.8	58
27	Magnetic and electronic properties in novel terpyridine-based nitroxide complexes: strong radical-metal interaction via a pyridyl ring. <i>Inorganic Chemistry</i> , 2001 , 40, 5334-42	5.1	36
26	Synthesis of nitronyl- and imino-nitroxide-triradicals interconnected by phenyl ethynyl spacer. <i>Tetrahedron Letters</i> , 2000 , 41, 1015-1018	2	16
25	Synthesis, structural, EPR and magnetic analysis of nitronyl-nitroxide labelled isophthalic acid. <i>Tetrahedron Letters</i> , 1999 , 40, 2943-2946	2	11
24	Synthesis, structure and properties of benzoic acids bearing para- or meta-imino nitroxides or ortho-nitronyl nitroxide radical centres. <i>Journal of Materials Chemistry</i> , 1999 , 9, 875-882		30
23	Multilayered Ferromagnets Based on Hybrid Organic/Inorganic Derivatives. <i>Advanced Materials</i> , 1998 , 10, 1024-1028	24	49
22	Strong intramolecular exchange interactions between nitronyl nitroxide radicals bridged by olefinic spacers. <i>Chemical Communications</i> , 1998 , 2337-2338	5.8	18
21	Role of the demagnetizing field on the EPR of organic radical magnets. <i>Physical Review B</i> , 1997 , 55, 8398-8405	3.9	26
20	The Influence of Chemical Surroundings on the Properties of Nitronyl Nitroxide Radicals in Solution. Its Relation with the Magnetic Properties in Solid State. <i>Molecular Crystals and Liquid Crystals</i> , 1997 , 305, 367-384		4
19	New Layered Hydroxide-Based Organic/Inorganic Ferromagnets with Basal Spacings up to 40 Å. <i>Molecular Crystals and Liquid Crystals</i> , 1997 , 305, 291-302		20
18	Magnetic Properties of Iminonitroxide and Nitronyl Nitroxide Based Diradicals. <i>Molecular Crystals and Liquid Crystals</i> , 1997 , 305, 55-67		14
17	EPR detection of alkali-metal cations using novel spin-labelled macrocyclic sensors. <i>Chemical Communications</i> , 1996 , 2461	5.8	21
16	Nitroso spin-labelled calix[4]arene podands and cryptands: Allosteric regulation of spin-spin exchange interaction. <i>Tetrahedron Letters</i> , 1996 , 37, 8755-8758	2	45

15	A New Type of Thermally Induced Spin Transition Associated with an Equatorial to Axial Conversion in a Copper(II)-Nitroxide Cluster. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11247-11253	16.4	155
14	Intramolecular Long Range Electronic Spin Exchange Coupling in Diradicals: A New Magnetic Coupling Unit. <i>Molecular Crystals and Liquid Crystals</i> , 1995 , 272, 99-108		7
13	Role of hydrogen bonds in the propagation of ferromagnetic interactions in organic molecular solids. Part 1. The p-hydroxyphenyl nitronyl aminoxy radical case. <i>Journal of Materials Chemistry</i> , 1995 , 5, 243-252		78
12	Neutron diffraction observation of a ferromagnetic phase transition in a purely organic crystal. <i>Solid State Communications</i> , 1994 , 90, 233-235	1.6	20
11	Spin Correlations in Organic Radical Magnets. <i>Molecular Crystals and Liquid Crystals</i> , 1993 , 233, 191-207		22
10	Discovery of a Quasi-1D Organic Ferromagnet, pNPNN. <i>Physical Review Letters</i> , 1992 , 69, 1290-1290	7.4	2
9	An Organic Radical Ferromagnet. <i>Chemistry Letters</i> , 1991 , 20, 1225-1228	1.7	228
8	Ferromagnetic coupling in a new phase of the p-nitrophenyl nitronyl nitroxide radical. <i>Chemical Physics Letters</i> , 1991 , 180, 327-331	2.5	125
7	Discovery of a quasi-1D organic ferromagnet, p-NPNN. <i>Physical Review Letters</i> , 1991 , 67, 746-748	7.4	244
6	Electronic structure, superconductivity and magnetism in the Zr-Co system. <i>Journal of Physics F: Metal Physics</i> , 1987 , 17, 459-474		8
5	A new series of molecular semiconductors: phthalocyanine radicals. <i>Journal of the American Chemical Society</i> , 1987 , 109, 5119-5122	16.4	239
4	Preparation and study of a lithium phthalocyanine radical: optical and magnetic properties. <i>Chemical Physics Letters</i> , 1987 , 134, 471-476	2.5	121
3	Electronic properties of atomically ordered structures in the V-Ni, V-Pd and V-Pt systems. <i>Solid State Communications</i> , 1985 , 53, 979-983	1.6	17
2	Photoemission, NMR, susceptibility and specific heat in V and Al ₁₅ V ₃ Pt. <i>Solid State Communications</i> , 1982 , 43, 431-437	1.6	6
1	Stability and electronic properties of atomically ordered structures in V ₂ Ni, V ₂ Pd and V ₂ Pt systems. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981 , 107, 257-258		6