

Philippe Turek

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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 | Discovery of a quasi-1D organic ferromagnet, p-NPNN. <i>Physical Review Letters</i> , 1991 , 67, 746-748 | 7.4 | 244 |
| 85 | A new series of molecular semiconductors: phthalocyanine radicals. <i>Journal of the American Chemical Society</i> , 1987 , 109, 5119-5122 | 16.4 | 239 |
| 84 | An Organic Radical Ferromagnet. <i>Chemistry Letters</i> , 1991 , 20, 1225-1228 | 1.7 | 228 |
| 83 | 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 |
| 82 | 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 |
| 81 | Preparation and study of a lithium phthalocyanine radical: optical and magnetic properties. <i>Chemical Physics Letters</i> , 1987 , 134, 471-476 | 2.5 | 121 |
| 80 | 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 |
| 79 | No ferromagnetism in Mn doped ZnO semiconductors. <i>Chemical Physics Letters</i> , 2005 , 415, 337-341 | 2.5 | 89 |
| 78 | 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 |
| 77 | 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 |
| 76 | "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 |
| 75 | Mo/KIT-6, Fe/KIT-6 and Mn/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 |
| 74 | Magnetic properties of gold nanoparticles: a room-temperature quantum effect. <i>ChemPhysChem</i> , 2012 , 13, 3092-7 | 3.2 | 59 |
| 73 | 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 |
| 72 | 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 |
| 71 | Multilayered Ferromagnets Based on Hybrid Organic-Inorganic Derivatives. <i>Advanced Materials</i> , 1998 , 10, 1024-1028 | 24 | 49 |
| 70 | 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 |

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| 69 | 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 |
| 68 | 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 |
| 67 | 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 |
| 66 | Diarylethene-containing carbon-rich ruthenium organometallics: tuning of electrochromism. <i>Inorganic Chemistry</i> , 2014 , 53, 8172-88 | 5.1 | 38 |
| 65 | 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 |
| 64 | New spin-transition-like copper(II)-nitroxide species. <i>Inorganic Chemistry</i> , 2007 , 46, 7545-52 | 5.1 | 32 |
| 63 | 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 |
| 62 | 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 tetraradicals based on the phenyl acetylene and biphenyl coupling units. <i>Chemistry - A European Journal</i> , 2005 , 11, 2440-54 | 4.8 | 29 |
| 61 | 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 |
| 60 | First Demonstration of Magnetoelectric Coupling in a Polynuclear Molecular Nanomagnet: Single-Crystal EPR Studies of [Fe O(O CPh) (py)]ClO ₄ py under Static Electric Fields. <i>Chemistry - A European Journal</i> , 2018 , 24, 14896-14900 | 4.8 | 27 |
| 59 | Role of the demagnetizing field on the EPR of organic radical magnets. <i>Physical Review B</i> , 1997 , 55, 8398-8405 | 3.9 | 26 |
| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | Spin Correlations in Organic Radical Magnets. <i>Molecular Crystals and Liquid Crystals</i> , 1993 , 233, 191-207 | | 22 |
| 53 | A fully enzymatic method for site-directed spin labeling of long RNA. <i>Nucleic Acids Research</i> , 2014 , 42, e117 | 20.1 | 21 |
| 52 | EPR detection of alkali-metal cations using novel spin-labelled macrocyclic sensors. <i>Chemical Communications</i> , 1996 , 2461 | 5.8 | 21 |

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| 51 | 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 |
| 50 | 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 |
| 49 | Strong intramolecular exchange interactions between nitronyl nitroxide radicals bridged by olefinic spacers. <i>Chemical Communications</i> , 1998 , 2337-2338 | 5.8 | 18 |
| 48 | Ruthenium Carbon-Rich Complexes as Redox Switchable Metal Coupling Units. <i>Inorganic Chemistry</i> , 2015 , 54, 6347-55 | 5.1 | 17 |
| 47 | Intramolecular exchange interaction in twofold spin-labelled platinum complexes. <i>Chemical Communications</i> , 2004 , 2050-1 | 5.8 | 17 |
| 46 | 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 |
| 45 | 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 |
| 44 | Modulation of self-assembly and magnetism of Cu(II) grids in solution. <i>Chemical Communications</i> , 2011 , 47, 10951-3 | 5.8 | 16 |
| 43 | Synthesis of nitronyl- and imino-nitroxide-triradicals interconnected by phenyl ethynyl spacer. <i>Tetrahedron Letters</i> , 2000 , 41, 1015-1018 | 2 | 16 |
| 42 | 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 |
| 41 | Intramolecular exchange interactions in non-aromatic bis-nitronyl-nitroxides. <i>Journal of Materials Chemistry</i> , 2005 , 15, 850-858 | | 15 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | Magnetic Properties of Iminonitroxide and Nitronylnitroxide Based Diradicals. <i>Molecular Crystals and Liquid Crystals</i> , 1997 , 305, 55-67 | | 14 |
| 36 | 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 |
| 35 | Interactions between H-bonded [Cu(EDH)] triangles; a combined magnetic susceptibility and EPR study. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 17234-17244 | 3.6 | 13 |
| 34 | 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 |

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| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | Synthesis, structural, EPR and magnetic analysis of nitronyl-nitroxide labelled isophthalic acid. <i>Tetrahedron Letters</i> , 1999 , 40, 2943-2946 | 2 | 11 |
| 29 | 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 |
| 28 | Statu quo sur la mēhanation du dioxyde de carbone : une revue de la littēature. <i>Comptes Rendus Chimie</i> , 2018 , 21, 427-469 | 2.7 | 10 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | Electronic structure, superconductivity and magnetism in the Zr-Co system. <i>Journal of Physics F: Metal Physics</i> , 1987 , 17, 459-474 | | 8 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | Stability and electronic properties of atomically ordered structures in V?Ni, V?Pd and V?Pt systems. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981 , 107, 257-258 | | 6 |
| 16 | Photoemission, NMR, susceptibility and specific heat in V and A15 V3Pt. <i>Solid State Communications</i> , 1982 , 43, 431-437 | 1.6 | 6 |

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| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | Windowsill Hydrogen Production under Daylight Irradiation. <i>ChemPlusChem</i> , 2013 , 78, 1330-1333 | 2.8 | 3 |
| 8 | Mesoporous TiO anatase films for enhanced photocatalytic activity under UV and visible light.. <i>RSC Advances</i> , 2020 , 10, 38233-38243 | 3.7 | 3 |
| 7 | 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 |
| 6 | Electronic and magnetic interactions in diporphyrinylamines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016 , 20, 1233-1243 | 1.8 | 2 |
| 5 | Discovery of a Quasi-1D Organic Ferromagnet, pNPN. <i>Physical Review Letters</i> , 1992 , 69, 1290-1290 | 7.4 | 2 |
| 4 | Unexpected Outcome in the Reaction of Triazolinedione with Carbon Nanotubes. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 4817-4819 | 3.2 | 1 |
| 3 | Room-temperature spin nutations in a magnetically condensed phase of [Y(pc)] ⁺ . <i>Chemical Communications</i> , 2021 , 57, 11505-11508 | 5.8 | 1 |
| 2 | 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 | |
| 1 | Broadband electron paramagnetic resonance of a molecular spin triangle. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 20268-20274 | 3.6 | |