RESEARCH & PUBLICATIONS

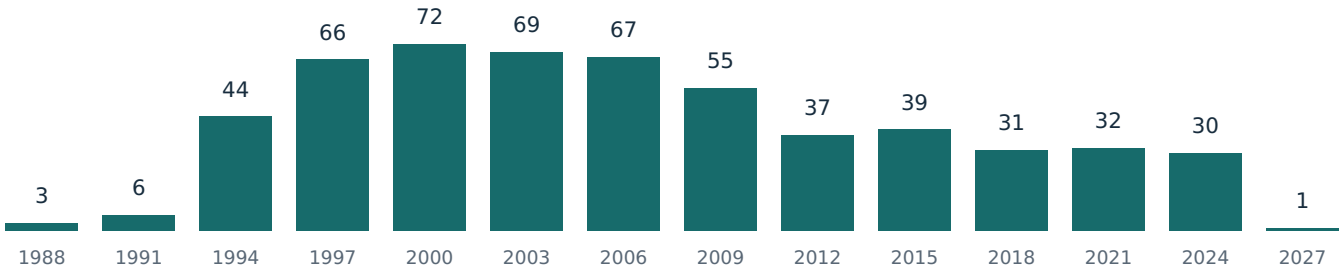
Mark R.J. Elsegood

A publication record at a glance

553	13,925	58
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 3-year periods



1 articles have no publication year in the database.

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Oligomerisation of Ethylene by Bis(Imino)Pyridyliron and -Cobalt Complexes — 353
2000 Chemistry - A European Journal

Spontaneous Magnetization in a Sulfur–Nitrogen Radical at 36 K — 319
1996 Angewandte Chemie International Edition in English

Highly Active and Selective Catalysts for the Production of Methyl Propanoate via the Methoxycarbonylation of Ethene — 263
1999 Chemical Communications

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Ordered by publication year, newest first

2027

01 Elucidating ESIPT-Driven and Amplified Photo-Deformation in Schiff Base Systems — 0 citations

Dyes and Pigments · 257, 114196

https://exaly.com/article/218394550

2026

02 A Pyrene-Based Red-Emissive AIEE Fluorophore Based on ICT and ESIPT Effects for Bioimaging — 8 citations

Dyes and Pigments · 244, 113111

https://exaly.com/article/203715073

03 Phenoxybis(Imine) Complexes of Vanadium: Structure, Ethylene Polymerization, and Ring Opening Polymerization of ε-Caprolactone — 3 citations

Dalton Transactions · 55, 1866-1881

https://exaly.com/article/208429435

04 Vanadyl Complexes Supported by O,O- and N,O-Chelate Ligation: Structures and Polymerization Catalysis — 1 citations

Dalton Transactions · 55, 5644-5666

https://exaly.com/article/211378026

05 Bi-Dentate Pyridyl Alkoxide Complexes of Aluminium and Vanadium: Synthesis, Structure and ROP Capability — 0 citations

Catalysts · 16, 259

https://exaly.com/article/211423960

06 Oxidation Path and Protonation of [Fe2(CO)4(μ-Edt){κ2-(R2PCH2)2NCH2Fc}] (R = Ph, Cy) Biomimetics of [FeFe]-Hydrogenases Incorporating a Proton Relay and a Second Redox Center — 1 citations

Inorganics · 14, 83

https://exaly.com/article/211533939

07 Synthesis and Characterization of a New Cocrystal of Glycylglycine and Glutaric Acid — 0 citations

Crystal Growth and Design · 26, 5081-5092

https://exaly.com/article/214990839

08 Bottom-Up Synthesis of Pyrene-Based Polycyclic Aromatic Hydrocarbons With Tunable Emission Properties — 1 citations

Journal of Organic Chemistry · 91, 10615-10624

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2026 / continued

09 **Intramolecular Hydrogen Bonding Enforced by Crystal Packing and Vice Versa in Nitrophenyl-, Nitropyridyl-, and Nitropyrimidyl-Bearing Carbazoles**

Physical Chemistry Chemical Physics · 28, 22280-22288

https://exaly.com/article/217490873

0 citations

10 **Synthesis of a Janus Pentiptycene Containing Two Thiophene Rings Using an Intramolecular Fagan–Nugent Reaction**

Chemical Communications · 62, 19867-19871

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11 **A Dynamic Hydrogen-Bonded Organic Framework With Giant OFF–ON Birefringence**

Angewandte Chemie - International Edition

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0 citations

12 **A Dynamic Hydrogen-Bonded Organic Framework With Giant OFF–ON Birefringence**

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13 **Extended, π-Conjugated, Pyrene-Based, Red-Emissive Luminogens: Synthesis, Photophysical Properties, and Latent Fingerprint Imaging**

ChemistrySelect · 11, e74425

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2025

14 **Extended π-Conjugated Pyrene-Based Chemosensors for Highly Sensitive and Selective Detection of Nitro-Contaminants**

Microchemical Journal · 209, 112699

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7 citations

15 **Synthesis, Characterization and Glucose-Lowering Studies of Air-Stable, Mixed-Ligand Vanadium(III) Acetylacetonates and Oxidovanadium(IV) Complexes Containing Pyridine-Based Ligands.**

Journal of Inorganic Biochemistry · 270, 112929

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16 **Nucleophilic Substitution of 1,3-Diiodobicyclo[1.1.1]Pentane: Synthesis of Bicyclo[1.1.1]Pentylpyridinium, Quinolinium, Isoquinolinium, and Pyrazolium Salts**

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2025 / continued

17 Monoclinic Polymorph of 2-Azaniumylmethyl-1H-Benzimidazol-3-Ium Dichloride Monohydrate

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18 Bi-Dentate Pyridyl Amine-Derived Complexes of Aluminium: Synthesis, Structure and ROP Capability

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19 Mixed-Magnesium/Zinc Calix[4]Arene Complexes: Structure, and Ring Opening Polymerisation Studies

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20 Band-Gap Engineering in Methylammonium Bismuth Bromide Perovskites for Less-Toxic Perovskite Solar Cells

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5 citations

21 Transition-Metal-Free Continuous-Flow Synthesis of 2,5-Diaryl Furans: Access to Medicinal Building Blocks and Optoelectronic Materials

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22 Reaction of Ph2C(X)(CO2H) (X = OH, NH2) With [VO(OR)3] (R = et, nPr): Structure, Magnetic Susceptibility and ROP Capability

Dalton Transactions · 53, 5351-5355

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23 Extended Hydrogen-Bonded Molybdenum Arrays Derived From Carboxylic Acids and Dianilines: ROP Capability of the Complexes and Parent Acids and Dianilines

Catalysts · 14, 214

https://exaly.com/article/177468132

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24 Structure-Property Relationships for Potential Inversion From Electron Acceptors Based on Thiophene-Fused Triptycene Quinones, 1,4-Diketones and Their Malononitrile Adducts

Chemistry - A European Journal · 30, e202400782

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2024 / continued

25 A Simple and Sequential Strategy for the Introduction of Complexity and Hierarchy in Hydrogen-Bonded Organic Framework (HOF) Crystals for Environmental Applications
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6 citations

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27 Novel 4-[4-(4-Methylpiperazin-1-Yl)Phenyl]-6-Arylpyrimidine Derivatives and Their Antitrypanosomal Activities Against T.brucei
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28 Synthesis, Conformational Properties and DFT Computational Studies of [3]Metacyclo[3](1,3)Pyrenophanes
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2 citations

29 The Seventh Blind Test of Crystal Structure Prediction: Structure Generation Methods
Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials · 80, 517-547
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30 The Seventh Blind Test of Crystal Structure Prediction: Structure Ranking Methods
Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials · 80, 548-574
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82 citations

31 Metal–Organic Frameworks of p-Hydroxybenzoic Acid: Synthesis, Structure and Ring Opening Polymerization Capability
RSC Advances · 14, 37895-37901
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2023

32 Crystallization-Induced Emission Enhancement of Alkyl Chain-Dependent Pyrene-Based Luminogens: Visual Detection of Nitro-Explosives
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33 Concise Synthesis of Moracin M Using Appel Mediated Dehydration of a Bioinspired Endoperoxide
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34 Pillared MOFs: Structure and Ring Opening Polymerization of Cyclic Esters
4 citations
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35 A Family of Bisnaphthyl C2-Symmetric and Asymmetric Clefts: Synthesis, Solid-State Structure, and Calculation of the Interplanar Angle
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37 An Investigation Into the Adsorption Mechanism of n-Butanol by ZIF-8: A Combined Experimental and Ab Initio Molecular Dynamics Approach
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38 Pyrene-Based Asymmetric Hexaarylbenzene Derivatives: Synthesis, Crystal Structures, and Photophysical Properties
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https://exaly.com/article/123380609

39 Simultaneous Enhancement of Thermally Activated Delayed Fluorescence and Photoluminescence Quantum Yield via Homoconjugation
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40 Dinuclear Palladium(II) and Platinum(II) Complexes of a Readily Accessible Bicyclic Diphosphane
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2022 / continued

41 Heterometallic Cobalt(II) Calix[6 and 8]Arenes: Synthesis, Structure and Electrochemical Activity
2 citations
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42 Organocatalytic Enantioselective Synthesis of Bicyclo[2.2.2]Octenones via Oxaziridinium Catalysed Ortho-Hydroxylative Phenol Dearomatization
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44 Mixed-Metal Calix[8]Arene Complexes: Structure, and Ring Opening Polymerisation Studies
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45 Trinuclear Zinc Calix[4]Arenes: Synthesis, Structure, and Ring Opening Polymerization Studies
5 citations
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46 Hierarchical Assembly of a Micro- and Macroporous Hydrogen-Bonded Organic Framework With Tailored Single-Crystal Size
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47 Hierarchical Assembly of a Micro- and Macroporous Hydrogen-Bonded Organic Framework With Tailored Single-Crystal Size
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2021

48 Vanadium Complexes Derived From Oxacalix[6]Arenes: Structural Studies and Use in the Ring Opening Homo-/Co-Polymerization of ε-Caprolactone/δ-Valerolactone and Ethylene Polymerization
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49 Co-Polymerization of Propylene Oxide and CO2 Using Early Transition Metal (Groups IV and V) Metallocalix[n]Arenes (n = 4, 6, 8)
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50 Lithium Calix[4]Arenes: Structural Studies and Use in the Ring Opening Polymerization of Cyclic Esters
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52 Mild Intramolecular P–C(sp3) Bond Cleavage in Bridging Diphosphine Complexes of RuII RhIII and IrIII
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53 Synthesis and Characterisation of Transition Metal Complexes of a Novel 1,5-Benzodiazepine-Functionalised Tertiary Phosphine
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54 An Air-Stable Organic Radical From a Controllable Photoinduced Domino Reaction of a Hexa-Aryl Substituted Anthracene
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56 Pyrene-Fused Hexaarylbenzene Luminogens: Synthesis, Characterization, and Aggregation-Induced Emission Enhancement
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60 Ethylene Oligomerisation Chromium Catalysts With Unsymmetrical PCNP Ligands — 15 citations

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61 Low-Dimensional Architectures in Isomeric Cis-PtCl2{Ph2PCH2N(Ar)CH2PPh2} Complexes Using Regioselective-N(Aryl)-Group Manipulation — 2 citations

Molecules · 26, 6809

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Catalysts · 11, 1554

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64 Using Supercritical CO2 in the Preparation of Metal-Organic Frameworks: Investigating Effects on Crystallisation — 15 citations

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65 Tetraphenylethylene-Based Color-Tunable AIE-ESIPT Chromophores — 44 citations

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67 Tuning the Anion Binding Properties of Lanthanide Receptors to Discriminate Nucleoside Phosphates in a Sensing Array
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68 Time-Resolved Luminescence Detection of Peroxynitrite Using a Reactivity-Based Lanthanide Probe
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78 Pyrene-Fused Pyrazaacenes With Eight Rectilinearly Arranged Aromatic Rings

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African Journal of Traditional Complementary and Alternative Medicines · 14, 219-230

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96 Organoaluminium Complexes Derived From Anilines or Schiff Bases for the Ring-Opening Polymerization of ε-Caprolactone, δ-Valerolactone and Rac-Lactide

European Journal of Inorganic Chemistry · 2017, 1951-1965

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105 Alternating α-Olefin Distributions via Single and Double Insertions in Chromium-Catalyzed Ethylene Oligomerization — 25 citations

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106 A Rare and Exclusive Endoperoxide Photoproduct Derived From a Thiacalix[4]Arene Crown-Shaped Derivative Bearing a 9,10-Substituted Anthracene Moiety — 11 citations

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Acta Crystallographica Section C: Crystal Structure Communications · 59, o165-o166

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345 Poly[Sodium(I)-μ6-Hydrogen Benzene-1,4-Dicarboxylato]

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Acta Crystallographica Section E: Structure Reports Online · 59, o127-o128

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Acta Crystallographica Section E: Structure Reports Online · 59, o263-o265

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Acta Crystallographica Section E: Structure Reports Online · 59, m225-m227

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352 (1'S,2R,3R)-3-(1'-Tert-Butyldimethylsilyloxy-1'-Phenylmethyl)-2-(4''-Methylphenylthio)-2-Nitrooxirane — 0 citations

Acta Crystallographica Section E: Structure Reports Online · 59, o1070-o1072

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Acta Crystallographica Section E: Structure Reports Online · 59, o1087-o1088

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451 Synthesis and Characterisation of 2,6-Diisopropylphenylimido Complexes of Chromium in Oxidation States IV–VI

21 citations

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21 citations

Journal of the Chemical Society, Perkin Transactions 1

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263 citations

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Organometallics · 18, 3558-3560

https://exaly.com/article/30846021

73 citations

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Organometallics · 18, 1018-1029

https://exaly.com/article/30847446

55 citations

456 Regioselective Addition of Tert-BuN ⋮ C to the α Carbon Atom of the Allenyl Ligand in [Fe2(CO)6(μ-PPh2){μ-η1:η2α,β-(H)CαCβCγH2}]: Formation of [Fe2(CO)6(μ-PPh2){μ-η1:η1-(Tert-BuN ⋮ C)CCCH3}] and [Fe2(CO)6(μ-PPh2)(μ-η1:η2-{Tert-BuNHC(O)CH2}CCH2)] via Competitive 1,3-Hydrogen Migration and Hydrolysis of the Reactive Allene-Bridged Intermediate [Fe2(CO)6(μ-PPh2){μ-η1:η1-(Tert-BuNC)HCCCH2}]

Organometallics · 18, 3178-3186

https://exaly.com/article/30872536

22 citations

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Organometallics · 18, 679-696

https://exaly.com/article/30874557

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Journal of the American Chemical Society · 121, 3244-3245

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228 citations

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Organometallics · 18, 2947-2949

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Polyhedron · 17, 3817-3823
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Dalton Transactions RSC

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Inorganic Chemistry · 37, 5289-5293

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Dalton Transactions RSC

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Dalton Transactions RSC

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Chemical Communications

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Organometallics · 17, 1732-1740

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35 citations

Inorganic Chemistry · 37, 2995-3001

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84 citations

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25 citations

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11 citations

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29 citations

Dalton Transactions RSC

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31 citations

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21 citations

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26 citations

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20 citations

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11 citations

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514 Bent Versus Linear Imido Ligands in Five-Co-Ordinate Molybdenum Complexes
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2 citations
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14 citations

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