

Alexey A Popov

List of Publications by Year in descending order

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times ranked

5838
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#	ARTICLE	IF	CITATIONS
1	Regioselective CF ₂ functionalization of Sc ₃ N@D _{3h} (5)-C ₇₈ . Dalton Transactions, 2022, 51, 1182-1190.	3.3	4
2	Large Acene Derivatives with N Lewis Pair Doping: Synthesis, Characterization, and Application. Organic Letters, 2022, 24, 1877-1882.	4.6	8
3	Benzo-Extended Cyclohepta[def]fluorene Derivatives with Very Low-Lying Triplet States. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
4	New Charge Transfer Cocrystals of F ₂ TCNQ with Polycyclic Aromatic Hydrocarbons: Acceptor-Acceptor Interactions and Their Contribution to Supramolecular Arrangement and Charge Transfer. Crystal Growth and Design, 2022, 22, 751-762.	3.0	8
5	Imaging the Single-Electron Ln Ln Bonding Orbital in a Dimetallofullerene Molecular Magnet. Small, 2022, 18, e2105667.	10.0	8
6	Optical Anisotropy and Momentum-Dependent Excitons in Dibenzopentacene Single Crystals. ACS Omega, 2022, 7, 21183-21191.	3.5	4
7	Metamagnetic transition and a loss of magnetic hysteresis caused by electron trapping in monolayers of single-molecule magnet Tb ₂ @C ₇₉ N. Nanoscale, 2022, 14, 9877-9892.	5.6	6
8	Vibrational anatomy of C ₉₀ , C ₉₆ , and C ₁₀₀ fullertubes: probing Frankenstein's skeletal structures of fullerene head endcaps and nanotube belt midsection. Nanoscale, 2022, 14, 10823-10834.	5.6	2
9	Stabilizing a three-center single-electron metal-metal bond in a fullerene cage. Chemical Science, 2021, 12, 6890-6895.	7.4	22
10	Valence electrons in lanthanide-based single-atom magnets: a paradigm shift in 4f-magnetism modeling and design. Inorganic Chemistry Frontiers, 2021, 8, 2373-2384.	6.0	4
11	Metallofullerene photoswitches driven by photoinduced fullerene-to-metal electron transfer. Chemical Science, 2021, 12, 7818-7838.	7.4	7
12	Temperature-dependent dynamics of endohedral fullerene Sc ₂ @C ₈₀ (CH ₂ Ph) studied by EPR spectroscopy. Physical Chemistry Chemical Physics, 2021, 23, 18206-18220.	2.8	4
13	Synthesis and Self-Assembly Behavior of Double Ullazine-Based Polycyclic Aromatic Hydrocarbons. Organic Materials, 2021, 03, 198-203.	2.0	2
14	(Invited) New Developments in Magnetic Properties of Endohedral Metallofullerenes. ECS Meeting Abstracts, 2021, MA2021-01, 629-629.	0.0	0
15	(Invited) Synthesis, Isolation, and Derivatization of Dimetallofullerenes. ECS Meeting Abstracts, 2021, MA2021-01, 624-624.	0.0	0
16	Structural Variety of Iron Carbonyl Clusters Featuring Ferrocenylphosphines. European Journal of Inorganic Chemistry, 2021, 2021, 2017-2033.	2.0	3
17	Strong Photophysical Diversity and the Role of Charge Transfer Excitons in Transition Metal Phthalocyanine I ² -Phases. Journal of Physical Chemistry C, 2021, 125, 12398-12404.	3.1	6
18	Exceptionally High Blocking Temperature of 17 K in a Surface-Supported Molecular Magnet. Advanced Materials, 2021, 33, e2102844.	21.0	23

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19	Robust Single Molecule Magnet Monolayers on Graphene and Graphite with Magnetic Hysteresis up to 28ÅK. <i>Advanced Functional Materials</i> , 2021, 31, 2105516.	14.9	28
20	Gadolinium as an accelerator for reaching thermal equilibrium and its influence on the ground state of Dy^{2+} single-molecule magnets. <i>Physical Review B</i> , 2021, 103, .	13.2	10
21	Magnetic Hysteresis at 10 K in Single Molecule Magnet Self-Assembled on Gold. <i>Advanced Science</i> , 2021, 8, 2000777.	11.2	25
22	From Cyclopentasilane to Thin-Film Transistors. <i>Advanced Electronic Materials</i> , 2021, 7, 2000422.	5.1	4
23	Caught in Phase Transition: Snapshot of the Metallofullerene $\text{Sc}_3\text{N@C}_{70}$ Rotation in the Crystal. <i>Journal of the American Chemical Society</i> , 2021, 143, 612-616.	13.7	10
24	Electrophilic Trifluoromethylation of Dimetallofullerene Anions en Route to Air-Stable Single-Molecule Magnets with High Blocking Temperature of Magnetization. <i>Journal of the American Chemical Society</i> , 2021, 143, 18139-18149.	13.7	28
25	A Modular Cascade Synthetic Strategy Toward Structurally Constrained Boron-Doped Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25695-25700.	13.8	20
26	Bimetallic $\text{Ru}^{\text{II}}\text{Pd}$ and Trimetallic $\text{Ru}^{\text{II}}\text{PdCu}$ Assemblies on the Carborane Cluster Surface. <i>Inorganic Chemistry</i> , 2021, 60, 16911-16916.	4.0	0
27	Precise measurement of angles between two magnetic moments and their configurational stability in single-molecule magnets. <i>Physical Review B</i> , 2021, 104, .	3.2	5
28	Helical Nanographenes Containing an Azulene Unit: Synthesis, Crystal Structures, and Properties. <i>Angewandte Chemie</i> , 2020, 132, 5686-5691.	2.0	47
29	Helical Nanographenes Containing an Azulene Unit: Synthesis, Crystal Structures, and Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5637-5642.	13.8	128
30	Substrate-Independent Magnetic Bistability in Monolayers of the Single-Molecule Magnet $\text{Dy}_2\text{ScN@C}_{80}$ on Metals and Insulators. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5756-5764.	13.8	26
31	Dipyrene-Fused Dicyclopenta[<i>a</i> , <i>f</i>]naphthalenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 215-223.	3.2	16
32	Single-Molecule Magnets $\text{Dy}_2\text{M@C}_{80}$ and $\text{Dy}_2\text{MN@C}_{80}$ (M=Sc, Lu): The Impact of Diamagnetic Metals on Dy^{3+} Magnetic Anisotropy, $\text{Dy}^{\text{II}}\text{Dy}^{\text{III}}$ Coupling, and Mixing of Molecular and Lattice Vibrations. <i>Chemistry - A European Journal</i> , 2020, 26, 2436-2449.	3.3	23
33	A Curved Graphene Nanoribbon with Multi-Edge Structure and High Intrinsic Charge Carrier Mobility. <i>Journal of the American Chemical Society</i> , 2020, 142, 18293-18298.	13.7	50
34	Between Aromatic and Quinoid Structure: A Symmetrical UV to Vis/NIR Benzothiadiazole Redox Switch. <i>Chemistry - A European Journal</i> , 2020, 26, 17361-17365.	3.3	14
35	Thermodynamic Evaluation and Chemical Vapor Transport of Few-Layer WTe_2 . <i>Crystal Growth and Design</i> , 2020, 20, 7341-7349.	3.0	7
36	Unusually large hyperfine structure of the electron spin levels in an endohedral dimetallofullerene and its spin coherent properties. <i>Nanoscale</i> , 2020, 12, 20513-20521.	5.6	16

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37	Furan-containing double tetraoxa[7]helicene and its radical cation. <i>Chemical Communications</i> , 2020, 56, 15181-15184.	4.1	24
38	Magnetic hysteresis and strong ferromagnetic coupling of sulfur-bridged Dy ions in clusterfullerene Dy ₂ S@C ₈₂ . <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3521-3532.	6.0	12
39	Photoinduced Charge Accumulation and Prolonged Multielectron Storage for the Separation of Light and Dark Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 15722-15728.	13.7	40
40	Tunable Fulleretic Sodalite MOFs: Highly Efficient and Controllable Entrapment of C ₆₀ Fullerene via Mechanochemistry. <i>Chemistry of Materials</i> , 2020, 32, 10628-10640.	6.7	27
41	Sub-Kelvin hysteresis of the dilanthanide single-molecule magnet $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Tb} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{C} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 80 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review B</i> , 2020, 101, .	3.2	10
42	Addition of CF ₂ group to endohedral fullerene Sc ₃ N@C ₈₀ . <i>Dalton Transactions</i> , 2020, 49, 9137-9147.	3.3	8
43	Quinoidal Azaacenes: 99% Diradical Character. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12396-12401.	13.8	30
44	On the Electrochemical Reduction of 4-(Thiazol-2-ylazo)-Substituted 1-Chloronaphthalenes: Formation and Characterization of Stable Radical Anions. <i>ChemElectroChem</i> , 2020, 7, 1666-1671.	3.4	2
45	Substrate-independent Magnetic Bistability in Monolayers of the Single-Molecule Magnet Dy ₂ ScN@C ₈₀ on Metals and Insulators. <i>Angewandte Chemie</i> , 2020, 132, 5805-5813.	2.0	1
46	Quinoidal Azaacenes: 99% Diradical Character. <i>Angewandte Chemie</i> , 2020, 132, 12496-12501.	2.0	10
47	(Electrochemical) Properties and Computational Investigations of Ferrocenyl-substituted Fe ₃ (η^3 -Pfc) ₂ (CO) ₉ and Co ₄ (η^4 -Pfc) ₂ (CO) ₉ Clusters and Their Reduced Species. <i>Inorganic Chemistry</i> , 2020, 59, 6147-6160.	4.0	3
48	Tailoring Magnetic Features in Zigzag-Edged Nanographenes by Controlled Diels-Alder Reactions. <i>Chemistry - A European Journal</i> , 2020, 26, 7497-7503.	3.3	17
49	Shape-adaptive single-molecule magnetism and hysteresis up to 14 K in oxide clusterfullerenes Dy ₂ O@C ₇₂ and Dy ₂ O@C ₇₄ with fused pentagon pairs and flexible Dy(η^4 -O)Dy angle. <i>Chemical Science</i> , 2020, 11, 4766-4772.	7.4	28
50	(Invited) Bulk and Surface Magnetic Properties of Endohedral Metallofullerenes. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 790-790.	0.0	0
51	(Invited) Visualizing the Dynamics of Metallofullerenes with Variable Temperature Single Crystal X-Ray Diffraction. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 808-808.	0.0	0
52	Single Molecule Magnetism with Strong Magnetic Anisotropy and Enhanced Dy TM Dy Coupling in Three Isomers of DyOxide Clusterfullerene Dy ₂ O@C ₈₂ . <i>Advanced Science</i> , 2019, 6, 1901352.	11.2	40
53	PAH/PAH(CF ₃) _n Donor/Acceptor Charge-Transfer Complexes in Solution and in Solid-State CoCrystals. <i>Chemistry - A European Journal</i> , 2019, 25, 13547-13565.	3.3	7
54	Effect of the Diamagnetic Single-Crystalline Host on the Angular-Resolved Electron Nuclear Double Resonance Experiments: Case of Paramagnetic [ⁿ Bu ₄ N] ₂ [Cu(opba)] Embedded in Diamagnetic [ⁿ Bu ₄ N] ₂ [Ni(opba)]. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6565-6571.	4.6	1

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55	Molecular Structure and Magnetic and Optical Properties of Endometallonitridofullerene Sc ₃ N@C ₈₀ in Neutral, Radical Anion, and Dimeric Anionic Forms. Chemistry - A European Journal, 2019, 25, 14858-14869.	3.3	9
56	Single-Electron Lanthanide-Lanthanide Bonds Inside Fullerenes toward Robust Redox-Active Molecular Magnets. Accounts of Chemical Research, 2019, 52, 2981-2993.	15.6	100
57	Mixed dysprosium-lanthanide nitride clusterfullerenes Dy ₂ N@C ₈₀ and Dy ₂ MN@C ₈₀ (M = Gd, Er, Tm, and Lu): synthesis, molecular structure, and quantum motion of the endohedral nitrogen atom. Nanoscale, 2019, 11, 13139-13153.	5.6	15
58	Endohedral metal-nitride cluster ordering in metallofullerene Ni ^{II} (OEP) complexes and crystals: a theoretical study. Physical Chemistry Chemical Physics, 2019, 21, 8197-8200.	2.8	22
59	Steric and electronic effects of CF ₃ conformations in acene(CF ₃) derivatives. Journal of Fluorine Chemistry, 2019, 221, 1-7.	1.7	7
60	Hohe Blocktemperatur der Magnetisierung und herausragende Koerzitivfeldstärke im Azafulleren Tb ₂ @C ₇₉ N mit einer Einelektronen-Terbium-Terbium-Bindung. Angewandte Chemie, 2019, 131, 5951-5956.	2.0	12
61	True Blue Through Oxidation: A Thiazulenic Heterophenanthroline as Electrochrome. Chemistry - A European Journal, 2019, 25, 5412-5415.	3.3	8
62	Polycyclic Aromatic Hydrocarbons Containing A Pyrrolopyridazine Core. ChemPlusChem, 2019, 84, 613-618.	2.8	7
63	Air-stable redox-active nanomagnets with lanthanide spins radical-bridged by a metal-metal bond. Nature Communications, 2019, 10, 571.	12.8	112
64	Wave-shaped polycyclic hydrocarbons with controlled aromaticity. Chemical Science, 2019, 10, 4025-4031.	7.4	35
65	High Blocking Temperature of Magnetization and Giant Coercivity in the Azafullerene Tb ₂ @C ₇₉ N with a Single Electron Terbium-Terbium Bond. Angewandte Chemie - International Edition, 2019, 58, 5891-5896.	13.8	66
66	NBN-embedded Polycyclic Aromatic Hydrocarbons Containing Pentagonal and Heptagonal Rings. Organic Letters, 2019, 21, 1354-1358.	4.6	45
67	Recent advances in single molecule magnetism of dysprosium-metallofullerenes. Dalton Transactions, 2019, 48, 2861-2871.	3.3	65
68	Magnetism in Ln molecular systems with 4f/valence-shell interplay (FV-magnetism). Chemical Communications, 2019, 55, 13963-13966.	4.1	13
69	Helical Ullazine-Quinoxaline-Based Polycyclic Aromatic Hydrocarbons. Chemistry - A European Journal, 2019, 25, 1345-1352.	3.3	20
70	Circular dichroism and angular deviation in x-ray absorption spectra of Dy ₂ C ₈₀ single-molecule magnets on C ₈₀ . Physical Review Materials, 2019, 3, .	2.4	12
71	(Invited) New Advances in Magnetic Properties of Endohedral Metallofullerenes. ECS Meeting Abstracts, 2019, .	0.0	0
72	(Invited) Synthesis of the Elusive Dimetallofullerenes. ECS Meeting Abstracts, 2019, .	0.0	0

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73	Endohedral metallofullerene crystals: playing with disorders. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e433-e433.	0.1	0
74	Giant exchange coupling and field-induced slow relaxation of magnetization in $Gd_2@C_{79}N$ with a single-electron $Gd-Gd$ bond. Chemical Communications, 2018, 54, 2902-2905.	4.1	36
75	Magnetization relaxation in the single-ion magnet $DySc_2N@C_{80}$: quantum tunneling, magnetic dilution, and unconventional temperature dependence. Physical Chemistry Chemical Physics, 2018, 20, 11656-11672.	2.8	49
76	Understanding Polyarene Trifluoromethylation with Hot CF ₃ Radicals Using Corannulene. European Journal of Organic Chemistry, 2018, 2018, 4233-4245.	2.4	8
77	Expansion of the (BB) _n Ru metallacycle with coinage metal cations: formation of B _n M _n Ru _n B (M = Cu, Ag, Tl). <i>Chemical Communications</i> , 2018, 2018, 10784-10786.	0.74	130
78	Redox-active metal-metal bonds between lanthanides in dimetallofullerenes. Current Opinion in Electrochemistry, 2018, 8, 73-80.	4.8	19
79	Experimental and DFT Studies of the Electron-Withdrawing Ability of Perfluoroalkyl (R _n F _{2n+1}) Groups: Electron Affinities of PAH(R _n F) _n Increase Significantly with Increasing R _n F Chain Length. Chemistry - A European Journal, 2018, 24, 1441-1447.	3.3	13
80	Thermally Activated Delayed Fluorescence in a $Y_3N@C_{80}$ Endohedral Fullerene: Time-Resolved Luminescence and EPR Studies. Angewandte Chemie, 2018, 130, 283-287.	2.0	2
81	Thermally Activated Delayed Fluorescence in a $Y_3N@C_{80}$ Endohedral Fullerene: Time-Resolved Luminescence and EPR Studies. Angewandte Chemie - International Edition, 2018, 57, 277-281.	13.8	12
82	Magnetic hysteresis in self-assembled monolayers of Dy-fullerene single molecule magnets on gold. Nanoscale, 2018, 10, 11287-11292.	5.6	32
83	Electrostatic Interaction across a Single-Layer Carbon Shell. Journal of Physical Chemistry Letters, 2018, 9, 3586-3590.	4.6	6
84	A diuranium carbide cluster stabilized inside a C ₈₀ fullerene cage. Nature Communications, 2018, 9, 2753.	12.8	63
85	Strong carbon cage influence on the single molecule magnetism in Dy-Sc nitride clusterfullerenes. Chemical Communications, 2018, 54, 9730-9733.	4.1	23
86	Carbide clusterfullerene $DyYTiC@C_{80}$ featuring three different metals in the endohedral cluster and its single-ion magnetism. Chemical Communications, 2018, 54, 10683-10686.	4.1	30
87	Toward Full Zigzag-Edged Nanographenes: <i>peri</i> -Tetracene and Its Corresponding Circumanthracene. Journal of the American Chemical Society, 2018, 140, 6240-6244.	13.7	98
88	Partial magnetic ordering in one-dimensional arrays of endofullerene single-molecule magnet peapods. Nanoscale, 2018, 10, 18153-18160.	5.6	15
89	(Invited) Fullerene-Based Single Molecule Magnets: Bulk and Surface Magnetism. ECS Meeting Abstracts, 2018, .	0.0	0
90	(Invited) Stable Azaheterometallofullerene $M_2@C_{79}N$ (M = Y, Gd, Tb) in Novel Electronic and Magnetic Applications. ECS Meeting Abstracts, 2018, .	0.0	0

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91	(Invited) Synthesis and Stabilization of the Unstable Dimetallofullerenes. ECS Meeting Abstracts, 2018, , ,	0.0	0
92	Structures and Stability of Fullerenes, Metallofullerenes, and Their Derivatives. , 2017, , 1031-1096.		0
93	Mononuclear Clusterfullerene Single-Molecule Magnet Containing Strained Fused Pentagons Stabilized by a Nearly Linear Metal Cyanide Cluster. Angewandte Chemie, 2017, 129, 1856-1860.	2.0	21
94	Mononuclear Clusterfullerene Single-Molecule Magnet Containing Strained Fused Pentagons Stabilized by a Nearly Linear Metal Cyanide Cluster. Angewandte Chemie - International Edition, 2017, 56, 1830-1834.	13.8	64
95	Pyramidal TiTb ₂ C cluster encapsulated within the popular I(7)-C ₈₀ fullerene cage. Inorganica Chimica Acta, 2017, 468, 203-208.	2.4	11
96	π-Extended and Curved Antiaromatic Polycyclic Hydrocarbons. Journal of the American Chemical Society, 2017, 139, 7513-7521.	13.7	55
97	Confining the spin between two metal atoms within the carbon cage: redox-active metal-metal bonds in dimetallofullerenes and their stable cation radicals. Nanoscale, 2017, 9, 7977-7990.	5.6	39
98	Record-high thermal barrier of the relaxation of magnetization in the nitride clusterfullerene Dy ₂ ScN@C ₈₀ -I _h . Chemical Communications, 2017, 53, 7901-7904.	4.1	95
99	Rapid reversible borane to boryl hydride exchange by metal shuttling on the carborane cluster surface. Chemical Science, 2017, 8, 5399-5407.	7.4	53
100	Hierarchical Corannulene-Based Materials: Energy Transfer and Solid-State Photophysics. Angewandte Chemie, 2017, 129, 4596-4600.	2.0	13
101	Hierarchical Corannulene-Based Materials: Energy Transfer and Solid-State Photophysics. Angewandte Chemie - International Edition, 2017, 56, 4525-4529.	13.8	34
102	Polycyclic heteroaromatic hydrocarbons containing a benzoisindole core. Organic Chemistry Frontiers, 2017, 4, 847-852.	4.5	23
103	Interplay of spin-dependent delocalization and magnetic anisotropy in the ground and excited states of [Gd ₂ @C ₇₈] ^{•+} and [Gd ₂ @C ₈₀] ^{•+} . Journal of Chemical Physics, 2017, 147, 124305.	3.0	10
104	Nanoscale x-ray investigation of magnetic metallofullerene peapods. Nanotechnology, 2017, 28, 435703.	2.6	4
105	Cationic Nitrogen-Doped Helical Nanographenes. Angewandte Chemie - International Edition, 2017, 56, 15876-15881.	13.8	77
106	Spectroelectrochemical Approaches to Mechanistic Aspects of Charge Transport in meso-Nickel(II) Schiff Base Electrochromic Polymer. Journal of Physical Chemistry C, 2017, 121, 16710-16720.	3.1	23
107	Switching Molecular Conformation with the Torque on a Single Magnetic Moment. Physical Review Letters, 2017, 119, 237202.	7.8	16
108	Kationische stickstoffdotierte helikale Nanographene. Angewandte Chemie, 2017, 129, 16092-16097.	2.0	27

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109	Single molecule magnet with an unpaired electron trapped between two lanthanide ions inside a fullerene. <i>Nature Communications</i> , 2017, 8, 16098.	12.8	189
110	Selective arc-discharge synthesis of Dy ₂ S-clusterfullerenes and their isomer-dependent single molecule magnetism. <i>Chemical Science</i> , 2017, 8, 6451-6465.	7.4	58
111	Adsorption characteristics of Er ₃ N@C ₈₀ on W(110) and Au(111) studied via scanning tunneling microscopy and spectroscopy. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1127-1134.	2.8	5
112	Synthesis and Molecular Structures of Endohedral Fullerenes. <i>Nanostructure Science and Technology</i> , 2017, , 1-34.	0.1	5
113	Electrochemistry and Frontier Molecular Orbitals of Endohedral Metallofullerenes. <i>Nanostructure Science and Technology</i> , 2017, , 35-62.	0.1	2
114	(Invited) Excited State of Y-Nitride Clusterfullerene: Luminescence and EPR Spectroscopy Study. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
115	(Invited) Metal-Bonding Electrons inside the Fullerene Cage: Electrochemical, Quantum Chemical and EPR Studies. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
116	(Invited) New Developments in Single Molecule Magnetism of Endohedral Metallofullerenes. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
117	Ion Radicals of Endohedral Metallofullerenes Studied by EPR Spectroscopy. <i>Nanostructure Science and Technology</i> , 2017, , 183-198.	0.1	0
118	Nuclear Magnetic Resonance Spectroscopy of Endohedral Metallofullerenes with Paramagnetic Metal Ions: Structure Elucidation and Magnetic Anisotropy. <i>Nanostructure Science and Technology</i> , 2017, , 199-212.	0.1	0
119	Fulleretic Well-Defined Scaffolds: Donor-Fullerene Alignment Through Metal Coordination and Its Effect on Photophysics. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9070-9074.	13.8	43
120	Copper Causes Regiospecific Formation of C ₄ F ₈ -Containing Six-Membered Rings and their Defluorination/Aromatization to C ₄ F ₄ -Containing Rings in Triphenylene/1,4-C ₄ F ₈ I ₂ Reactions. <i>Chemistry - A European Journal</i> , 2016, 22, 874-877.	3.3	16
121	Fulleretic Well-Defined Scaffolds: Donor-Fullerene Alignment Through Metal Coordination and Its Effect on Photophysics. <i>Angewandte Chemie</i> , 2016, 128, 9216-9220.	2.0	15
122	Structures and structure-related electronic properties of new C ₆₀ (CF ₃) ₁₀ isomers. <i>Journal of Fluorine Chemistry</i> , 2016, 185, 103-117.	1.7	7
123	Sc ₃ CH@C ₈₀ : selective ¹³ C enrichment of the central carbon atom. <i>Chemical Communications</i> , 2016, 52, 6561-6564.	4.1	19
124	Inter-Fullerene Electronic Coupling Controls the Efficiency of Photoinduced Charge Generation in Organic Bulk Heterojunctions. <i>Advanced Energy Materials</i> , 2016, 6, 1601427.	19.5	15
125	A method and apparatus for high-throughput controlled synthesis of fullerenes and endohedral metal fullerenes. <i>Technical Physics Letters</i> , 2016, 42, 475-477.	0.7	13
126	A crystalline anionic complex of scandium nitride endometallofullerene: experimental observation of single-bonded (Sc ₃ N@Ih-C ₈₀) ₂ dimers. <i>Chemical Communications</i> , 2016, 52, 10763-10766.	4.1	18

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127	Controlled synthesis of fullerenes and endohedral metallofullerenes in high frequency arc discharge. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 675-678.	2.1	13
128	Synthesis and Isolation of the Titaniumâ€“Scandium Endohedral Fullerenesâ€“Sc ₂ Ti@I _h C ₈₀ , Sc ₂ TiC@D ₅ h ₅ C ₈₀ and Sc ₂ TiC ₂ @I _h C ₈₀ : Metal Size Tuning of the Ti ^{IV} /Ti ^{III} Redox Potentials. Chemistry - A European Journal, 2016, 22, 13098-13107.	3.3	47
129	(BB)-Carboryne Complex of Ruthenium: Synthesis by Double Bâ€“H Activation at a Single Metal Center. Journal of the American Chemical Society, 2016, 138, 10531-10538.	13.7	102
130	Synthesis of NBN-Type Zigzag-Edged Polycyclic Aromatic Hydrocarbons: 1,9-Diaza-9a-boraphenylene as a Structural Motif. Journal of the American Chemical Society, 2016, 138, 11606-11615.	13.7	121
131	Combined W-Band Light-Induced ESR/ENDOR/TRIPLE and DFT Study of PPVtype/PC61BM Ion Radicals. Journal of Physical Chemistry C, 2016, 120, 28905-28911.	3.1	5
132	Triangular Monometallic Cyanide Cluster Entrapped in Carbon Cage with Geometry-Dependent Molecular Magnetism. Journal of the American Chemical Society, 2016, 138, 14764-14771.	13.7	85
133	Self-assembly of endohedral metallofullerenes: a decisive role of cooling gas and metalâ€“carbon bonding. Nanoscale, 2016, 8, 3796-3808.	5.6	26
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