

Yasujiro Murata

List of Publications by Year in descending order

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155
papers

7,133
citations

76196

40
h-index

64668

79
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161
all docs

161
docs citations

161
times ranked

5494
citing authors

#	ARTICLE	IF	CITATIONS
1	Encapsulation of Molecular Hydrogen in Fullerene C ₆₀ by Organic Synthesis. <i>Science</i> , 2005, 307, 238-240.	6.0	599
2	A Single Molecule of Water Encapsulated in Fullerene C ₆₀ . <i>Science</i> , 2011, 333, 613-616.	6.0	474
3	Surgery of fullerenes. <i>Chemical Communications</i> , 2008, , 6083.	2.2	294
4	Reproducible Fabrication of Efficient Perovskite-based Solar Cells: X-ray Crystallographic Studies on the Formation of CH ₃ NH ₃ PbI ₃ Layers. <i>Chemistry Letters</i> , 2014, 43, 711-713.	0.7	284
5	Hole-Transporting Materials with a Two-Dimensionally Expanded π -System around an Azulene Core for Efficient Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 15656-15659.	6.6	271
6	100% Encapsulation of a Hydrogen Molecule into an Open-Cage Fullerene Derivative and Gas-Phase Generation of H ₂ @C ₆₀ . <i>Journal of the American Chemical Society</i> , 2003, 125, 7152-7153.	6.6	219
7	Synthesis and Properties of Endohedral C ₆₀ Encapsulating Molecular Hydrogen. <i>Journal of the American Chemical Society</i> , 2006, 128, 8024-8033.	6.6	171
8	Highly Efficient and Stable Perovskite Solar Cells by Interfacial Engineering Using Solution-Processed Polymer Layer. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1562-1568.	1.5	166
9	Synthesis, Structure, and Properties of Novel Open-Cage Fullerenes Having Heteroatom(s) on the Rim of the Orifice. <i>Chemistry - A European Journal</i> , 2003, 9, 1600-1609.	1.7	154
10	Synthesis and Reaction of Fullerene C ₇₀ Encapsulating Two Molecules of H ₂ . <i>Journal of the American Chemical Society</i> , 2008, 130, 15800-15801.	6.6	137
11	Quantum rotation of <i>ortho</i> and <i>para</i> -water encapsulated in a fullerene cage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12894-12898.	3.3	135
12	Aqueous solubilization of crystalline fullerenes by supramolecular complexation with β -cyclodextrin and sulfocalix[8]arene under mechanochemical high-speed vibration milling. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 2963-2966.	0.9	123
13	Solid-State [4 + 2] Cycloaddition of Fullerene C ₆₀ with Condensed Aromatics Using a High-Speed Vibration Milling Technique. <i>Journal of Organic Chemistry</i> , 1999, 64, 3483-3488.	1.7	116
14	Synthesis of a distinct water dimer inside fullerene C ₇₀ . <i>Nature Chemistry</i> , 2016, 8, 435-441.	6.6	114
15	Lead-Free Solar Cells based on Tin Halide Perovskite Films with High Coverage and Improved Aggregation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13221-13225.	7.2	111
16	Highly stable perovskite solar cells with an all-carbon hole transport layer. <i>Nanoscale</i> , 2016, 8, 11882-11888.	2.8	107
17	Use of naphthalene as a solvent for selective formation of the 1:1 diels-alder adduct of C ₆₀ with anthracene. <i>Tetrahedron Letters</i> , 1993, 34, 8473-8476.	0.7	104
18	On-Top π - π Stacking of Quasiplanar Molecules in Hole-Transporting Materials: Inducing Anisotropic Carrier Mobility in Amorphous Films. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5800-5804.	7.2	87

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19	Solvent-Coordinated Tin Halide Complexes as Purified Precursors for Tin-Based Perovskites. <i>ACS Omega</i> , 2017, 2, 7016-7021.	1.6	85
20	Rational synthesis, enrichment, and ¹³ C NMR spectra of endohedral C ₆₀ and C ₇₀ encapsulating a helium atom. <i>Chemical Communications</i> , 2010, 46, 4532.	2.2	79
21	Synthesis, properties, and reactions of a stable carbanion derived from alkynyl-dihydrofullerene: 1-octynyl-C ₆₀ carbanion. <i>Tetrahedron</i> , 1996, 52, 5077-5090.	1.0	78
22	The Spin Chemistry and Magnetic Resonance of H ₂ @C ₆₀ . From the Pauli Principle to Trapping a Long Lived Nuclear Excited Spin State inside a Buckyball. <i>Accounts of Chemical Research</i> , 2010, 43, 335-345.	7.6	74
23	Synthesis and Properties of Endohedral Aza[60]fullerenes: H ₂ O@C ₅₉ N and H ₂ @C ₅₉ N as Their Dimers and Monomers. <i>Journal of the American Chemical Society</i> , 2016, 138, 4096-4104.	6.6	72
24	Controlled Molecular Orientation in an Adlayer of a Supramolecular Assembly Consisting of an Open-Cage C ₆₀ Derivative and ZnII Octaethylporphyrin on Au(111). <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3044-3047.	7.2	69
25	Manganese(III) acetate-mediated radical reaction of [60]fullerene with phosphonate esters affording unprecedented separable singly-bonded [60]fullerene dimers. <i>Chemical Communications</i> , 2011, 47, 6111.	2.2	68
26	The Reaction of Fullerene C ₆₀ with Phthalazine: The Mechanochemical Solid-State Reaction Yielding a New C ₆₀ Dimer versus the Liquid-Phase Reaction Affording an Open-Cage Fullerene. <i>Journal of Organic Chemistry</i> , 2001, 66, 7235-7239.	1.7	67
27	Encapsulation and Dynamic Behavior of Two H ₂ Molecules in an Open-Cage C ₇₀ . <i>Journal of the American Chemical Society</i> , 2008, 130, 6702-6703.	6.6	65
28	Nuclear Relaxation of H ₂ and H ₂ @C ₆₀ in Organic Solvents. <i>Journal of the American Chemical Society</i> , 2006, 128, 14752-14753.	6.6	64
29	Palladium-Catalyzed Cyclization: Regioselectivity and Structure of Arene-Fused C ₆₀ Derivatives. <i>Journal of the American Chemical Society</i> , 2017, 139, 16350-16358.	6.6	63
30	Oxygen-Bridged Diphenyl-naphthylamine as a Scaffold for Full-Color Circularly Polarized Luminescent Materials. <i>Journal of Organic Chemistry</i> , 2017, 82, 5242-5249.	1.7	60
31	Roles of Polymer Layer in Enhanced Photovoltaic Performance of Perovskite Solar Cells via Interface Engineering. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701256.	1.9	60
32	Symmetry-breaking in the endofullerene H ₂ O@C ₆₀ revealed in the quantum dynamics of ortho and para-water: a neutron scattering investigation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21330-21339.	1.3	59
33	4,7-Bis[3-(dimethylboryl)thien-2-yl]benzothiadiazole: Solvato-, Thermo-, and Mechanochromism Based on the Reversible Formation of an Intramolecular B-N Bond. <i>Chemistry - A European Journal</i> , 2017, 23, 3784-3791.	1.7	57
34	Electron-Deficient Tetrabenzo-fused Pyracylene and Conversions into Curved and Planar Systems Having Distinct Emission Behaviors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9308-9312.	7.2	56
35	X-ray observation of a helium atom and placing a nitrogen atom inside He@C ₆₀ and He@C ₇₀ . <i>Nature Communications</i> , 2013, 4, 1554.	5.8	55
36	The Reaction of Fullerene C ₆₀ with 4,6-Dimethyl-1,2,3-triazine: Formation of an Open-Cage Fullerene Derivative. <i>Journal of Organic Chemistry</i> , 2001, 66, 8187-8191.	1.7	54

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37	A New Route to an Endohedral Fullerene by Way of Īf-Framework Transformations. Chemistry Letters, 2005, 34, 886-891.	0.7	53
38	Expansion of Orifices of Open C ₆₀ Derivatives and Formation of an Open C ₅₉ S Derivative by Reaction with Sulfur. Organic Letters, 2013, 15, 2750-2753.	2.4	50
39	A Purified, Solvent-Intercalated Precursor Complex for Wide-Process Window Fabrication of Efficient Perovskite Solar Cells and Modules. Angewandte Chemie - International Edition, 2019, 58, 9389-9393.	7.2	46
40	Rotational Sublevels of an Ortho-Hydrogen Molecule Encapsulated in an Isotropic C ₆₀ Cage. Physical Review Letters, 2009, 103, 073001.	2.9	45
41	Unsymmetric Twofold Scholl Cyclization of a 5,11-Dinaphthyltetracene: Selective Formation of Pentagonal and Hexagonal Rings via Dicationic Intermediates. Angewandte Chemie - International Edition, 2017, 56, 5082-5086.	7.2	45
42	Photochemical Reaction of the Open-Cage Fullerene Derivative with Singlet Oxygen. Chemistry Letters, 2001, 30, 896-897.	0.7	41
43	A cubic dipole lattice of water molecules trapped inside carbon cages. Chemical Communications, 2014, 50, 524-526.	2.2	41
44	Trapping N ₂ and CO ₂ on the Sub-Nano Scale in the Confined Internal Spaces of Open-Cage C ₆₀ Derivatives: Isolation and Structural Characterization of the Host-Guest Complexes. Angewandte Chemie - International Edition, 2015, 54, 14791-14794.	7.2	40
45	Enantiospecific <i>cis</i> → <i>trans</i> Isomerization in Chiral Fulleropyrrolidines: Hydrogen-Bonding Assistance in the Carbanion Stabilization in H ₂ O@C ₆₀ . Journal of the American Chemical Society, 2015, 137, 1190-1197.	6.6	40
46	A Stable, Soluble, and Crystalline Supramolecular System with a Triplet Ground State. Angewandte Chemie - International Edition, 2017, 56, 4261-4265.	7.2	40
47	Molecular Orientation Change in Naphthalene Diimide Thin Films Induced by Removal of Thermally Cleavable Substituents. Chemistry of Materials, 2019, 31, 1729-1737.	3.2	40
48	Isolation of the simplest hydrated acid. Science Advances, 2017, 3, e1602833.	4.7	39
49	Synthesis of Open-Cage Ketolactam Derivatives of Fullerene C ₆₀ Encapsulating a Hydrogen Molecule. Organic Letters, 2014, 16, 2970-2973.	2.4	38
50	Fine tuning of the orifice size of an open-cage fullerene by placing selenium in the rim: insertion/release of molecular hydrogen. Chemical Communications, 2007, , 1278.	2.2	37
51	The outside knows the difference inside: trapping helium by immediate reduction of the orifice size of an open-cage fullerene and the effect of encapsulated helium and hydrogen upon the NMR of a proton directly attached to the outside. Chemical Communications, 2007, , 1751.	2.2	37
52	A single <i>but</i> hydrogen-bonded water molecule confined in an anisotropic subnanospace. Chemical Communications, 2018, 54, 13686-13689.	2.2	37
53	Synthesis and properties of novel fullerene derivatives having dendrimer units and the fullereryl anions generated therefrom. Journal of Materials Chemistry, 2002, 12, 2009-2020.	6.7	36
54	Distance-Dependent Paramagnet-Enhanced Nuclear Spin Relaxation of H ₂ @C ₆₀ Derivatives Covalently Linked to a Nitroxide Radical. Journal of Physical Chemistry Letters, 2010, 1, 2135-2138.	2.1	36

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55	Comparison of Nuclear Spin Relaxation of H ₂ O@C ₆₀ and H ₂ @C ₆₀ and Their Nitroxide Derivatives. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1165-1168.	2.1	36
56	NIR-Absorbing Dye Based on BF ₂ -Bridged Azafulvene Dimer as a Strong Electron-Accepting Unit. <i>Organic Letters</i> , 2018, 20, 5135-5138.	2.4	36
57	Lead-Free Solar Cells based on Tin Halide Perovskite Films with High Coverage and Improved Aggregation. <i>Angewandte Chemie</i> , 2018, 130, 13405-13409.	1.6	36
58	Can H ₂ Inside C ₆₀ Communicate with the Outside World?. <i>Journal of the American Chemical Society</i> , 2007, 129, 14554-14555.	6.6	34
59	Comparative NMR Properties of H ₂ and HD in Toluene- <i>d</i> ₈ and in H ₂ /HD@C ₆₀ . <i>Journal of Physical Chemistry B</i> , 2010, 114, 14689-14695.	1.2	34
60	Site-selective sequential coupling reactions controlled by an Electrochemical Reaction Site Switching: a straightforward approach to 1,4-bis(diaryl)buta-1,3-diyne. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9562.	1.5	33
61	Water Entrapped inside Fullerene Cages: A Potential Probe for Evaluation of Bond Polarization. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13109-13113.	7.2	32
62	Iodine-rich mixed composition perovskites optimised for tin(IV) oxide transport layers: the influence of halide ion ratio, annealing time, and ambient air aging on solar cell performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16947-16953.	5.2	32
63	Modification of the <i>h</i> _f -framework of [60]fullerene for bulk-heterojunction solar cells. <i>Chemical Communications</i> , 2011, 47, 7335.	2.2	31
64	Dithieno-Fused Polycyclic Aromatic Hydrocarbon with a Pyracylene Moiety: Strong Antiaromatic Contribution to the Electronic Structure. <i>Organic Letters</i> , 2017, 19, 826-829.	2.4	30
65	Synthesis and Structure of an Open-Cage Thiafullerene C ₆₉ S: Reactivity Differences of an Open-Cage C ₇₀ Tetraketone Relative to Its C ₆₀ Analogue. <i>Journal of the American Chemical Society</i> , 2014, 136, 8193-8196.	6.6	29
66	Facile Access to Azafullerenyl Cation C ₅₉ N ⁺ and Specific Interaction with Entrapped Molecules. <i>Journal of the American Chemical Society</i> , 2017, 139, 18468-18471.	6.6	29
67	Synthesis and properties of open-cage fullerene C ₆₀ derivatives: impact of the extended <i>h</i> _f -conjugation. <i>Materials Chemistry Frontiers</i> , 2018, 2, 206-213.	3.2	29
68	Rh-Catalyzed Dehydrogenative Cyclization Leading to Benzosilolothiophene Derivatives via Si-H/C-H Bond Cleavage. <i>Organic Letters</i> , 2017, 19, 2564-2567.	2.4	28
69	High Bending Durability of Efficient Flexible Perovskite Solar Cells Using Metal Oxide Electron Transport Layer. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17088-17095.	1.5	28
70	Catalytic stereodivergent functionalization of H ₂ @C ₆₀ . <i>Chemical Communications</i> , 2014, 50, 740-742.	2.2	27
71	Construction of a Metal-Free Electron Spin System by Encapsulation of an NO Molecule Inside an Open-Cage Fullerene C ₆₀ Derivative. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12804-12808.	7.2	27
72	An Orifice-Size Index for Open-Cage Fullerenes. <i>Journal of Organic Chemistry</i> , 2007, 72, 6447-6453.	1.7	26

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73	H ₂ /O/Olefinic- π Interaction inside a Carbon Nanocage. <i>Journal of the American Chemical Society</i> , 2019, 141, 12928-12938.	6.6	26
74	Organophosphorus zwitterions engaged in a conjugated macrocycle on fullerene. <i>Communications Chemistry</i> , 2020, 3, .	2.0	26
75	D π - π A Dyes with an Intramolecular B π -N Coordination Bond as a Key Scaffold for Electronic Structural Tuning and Their Application in Dye-Sensitized Solar Cells. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 441-450.	2.0	25
76	Distance-Dependent para-H ₂ \rightarrow ortho-H ₂ Conversion in H ₂ @C ₆₀ Derivatives Covalently Linked to a Nitroxide Radical. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 741-744.	2.1	24
77	Encapsulation and Dynamic Behavior of Methanol and Formaldehyde inside Open-Cage C ₆₀ Derivatives. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2758-2762.	7.2	24
78	Internal Magnetic Fields of Dianions of Fullerene C ₆₀ and Its Cage-Opened Derivatives Studied with Encapsulated H ₂ as an NMR Probe. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2039-2041.	7.2	23
79	Double-Holed Fullerenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 20572-20576.	6.6	22
80	Synthesis of Hexa(furan-2-yl)benzenes and Their π -Extended Derivatives. <i>Journal of Organic Chemistry</i> , 2013, 78, 2763-2768.	1.7	21
81	Influence of Alkoxy Chain Length on the Properties of Two-Dimensionally Expanded Azulene-Core-Based Hole-Transporting Materials for Efficient Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2019, 25, 6741-6752.	1.7	21
82	Cation recognition on a fullerene-based macrocycle. <i>Chemical Science</i> , 2020, 11, 12428-12435.	3.7	21
83	Trapping N ₂ and CO ₂ on the Sub-Nano Scale in the Confined Internal Spaces of Open-Cage C ₆₀ Derivatives: Isolation and Structural Characterization of the Host-Guest Complexes. <i>Angewandte Chemie</i> , 2015, 127, 15004-15007.	1.6	20
84	Development of Transparent Organic Hole-transporting Materials Using Partially Oxygen-bridged Triphenylamine Skeletons. <i>Chemistry Letters</i> , 2017, 46, 817-820.	0.7	20
85	Probing the interaction between the encapsulated water molecule and the fullerene cages in H ₂ O@C ₆₀ and H ₂ O@C ₅₉ N. <i>Chemical Science</i> , 2018, 9, 5666-5671.	3.7	20
86	Rotational Motion and Nuclear Spin Interconversion of H ₂ O Encapsulated in C ₆₀ Appearing in the Low-Temperature Heat Capacity. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1306-1311.	2.1	20
87	Efficient Synthesis of Open-Cage Fullerene Derivatives Having 16-Membered-Ring Orifices. <i>Journal of Organic Chemistry</i> , 2007, 72, 7042-7045.	1.7	19
88	A Stable, Soluble, and Crystalline Supramolecular System with a Triplet Ground State. <i>Angewandte Chemie</i> , 2017, 129, 4325-4329.	1.6	19
89	Cage-Expansion of Fullerenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 12450-12454.	6.6	19
90	Reaction of Cage-opened Fullerene Derivative with Grignard Reagents and Subsequent Transannular Cyclization. <i>Chemistry Letters</i> , 2010, 39, 298-299.	0.7	18

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91	Unsymmetric Twofold Scholl Cyclization of a 5,11-Dinaphthyltetracene: Selective Formation of Pentagonal and Hexagonal Rings via Dicationic Intermediates. <i>Angewandte Chemie</i> , 2017, 129, 5164-5168.	1.6	18
92	Fullerene C ₇₀ as a Nanoflask that Reveals the Chemical Reactivity of Atomic Nitrogen. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6488-6491.	7.2	17
93	How to Make Dense and Flat Perovskite Layers for >20% Efficient Solar Cells: Oriented, Crystalline Perovskite Intermediates and Their Thermal Conversion. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1972-1979.	2.0	17
94	Donor-acceptor polymers containing thiazole-fused benzothiadiazole acceptor units for organic solar cells. <i>RSC Advances</i> , 2019, 9, 7107-7114.	1.7	17
95	Dyes with Diketopyrrolopyrrole and Boryl-substituted Thienylthiazole Units for Dye-sensitized Solar Cells with High <i>J</i> Values. <i>Chemistry Letters</i> , 2017, 46, 715-718.	0.7	16
96	An orifice design: water insertion into C ₆₀ . <i>RSC Advances</i> , 2020, 10, 40406-40410.	1.7	16
97	Precise Fixation of an NO Molecule inside Carbon Nanopores: A Long-Range Electron-Nuclear Interaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2866-2870.	7.2	16
98	Indirect 1H NMR characterization of H ₂ @C ₆₀ nitroxide derivatives and their nuclear spin relaxation. <i>Chemical Communications</i> , 2011, 47, 12527.	2.2	15
99	Single Molecular Junction Study on H ₂ O@C ₆₀ : H ₂ O is Electrostatically Isolated. <i>ChemPhysChem</i> , 2017, 18, 1229-1233.	1.0	14
100	Tuneable single-molecule electronic conductance of C ₆₀ by encapsulation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12606-12610.	1.3	14
101	Nonclassical Abramov Products Formed on Orifices of Cage-Opened C ₆₀ Derivatives. <i>Chemistry - A European Journal</i> , 2021, 27, 4864-4868.	1.7	14
102	The Influence of Quasipolar Structures of Partially Oxygen-Bridged Triphenylamine Dimers on the Properties of Their Bulk Films. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 726-732.	2.0	13
103	Orientation of a Water Molecule: Effects on Electronic Nature of the C ₅₉ N Cage. <i>Journal of Organic Chemistry</i> , 2017, 82, 4465-4469.	1.7	13
104	A Single H ₂ O Molecule inside Hydrophobic Carbon Nanocavities: Effect of Local Electrostatic Potential. <i>Chemistry Letters</i> , 2020, 49, 244-247.	0.7	13
105	Co(I)-Mediated Removal of Addends on the C ₆₀ Cage and Formation of the Monovalent Cobalt Complex CpCo(CO)(<i>i</i> -C ₆₀). <i>Organic Letters</i> , 2016, 18, 6348-6351.	2.4	12
106	Near-infrared Emissive Donor-Acceptor-type Molecules Containing Thiazole-fused Benzothiadiazole as an Electron-acceptor Moiety. <i>Chemistry Letters</i> , 2016, 45, 892-894.	0.7	12
107	Encapsulation and Dynamic Behavior of Methanol and Formaldehyde inside Open-Cage C ₆₀ Derivatives. <i>Angewandte Chemie</i> , 2017, 129, 2802-2806.	1.6	12
108	Photochemical Orifice Expansion of a Cage-Opened C ₆₀ Derivative. <i>Organic Letters</i> , 2021, 23, 3854-3858.	2.4	12

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109	Amino-Functionalized Cage-Opened C ₆₀ Derivatives. <i>Organic Letters</i> , 2021, 23, 9586-9590.	2.4	12
110	Unprecedented photochemical rearrangement of an open-cage C ₆₀ derivative. <i>Chemical Communications</i> , 2017, 53, 1712-1714.	2.2	11
111	Wavelength-Dependent Efficiency of Sequential Photooxygenation: C=C Bond Cleavage on Open-Cage C ₆₀ Derivatives. <i>ChemPlusChem</i> , 2018, 83, 1179-1183.	1.3	11
112	Synthesis, Isomer Count, and Nuclear Spin Relaxation of H ₂ O@Open-C ₆₀ Nitroxide Derivatives. <i>Organic Letters</i> , 2012, 14, 3822-3825.	2.4	10
113	Facile Synthesis of 1,4-Bis(diaryl)-1,3-butadiynes Bearing Two Amino Moieties by Electrochemical Reaction-Site Switching, and Their Solvatochromic Fluorescence. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 373-379.	1.3	10
114	Structural modification of open-cage fullerene C ₆₀ derivatives having a small molecule inside their cavities. <i>Canadian Journal of Chemistry</i> , 2017, 95, 320-328.	0.6	10
115	Phthalimide-Based Transparent Electron-Transport Materials with Oriented Amorphous Structures: Preparation from Solution-Processed Precursor Films. <i>ChemPlusChem</i> , 2019, 84, 1396-1404.	1.3	10
116	π-Backbonding on Group 9 Metal Complexes Bearing an I ² -(H ₂ O@C ₆₀) Ligand. <i>Organometallics</i> , 2022, 41, 354-359.	1.1	10
117	NMR Studies on Monofunctionalized Fullerenyl Cation and Anion Encapsulating a H ₂ Molecule. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1336-1342.	1.7	9
118	Synthesis and characterization of bispyrrolidine derivatives of H ₂ @C ₆₀ : differentiation of isomers using 1H NMR spectroscopy of endohedral H ₂ . <i>Chemical Communications</i> , 2011, 47, 2282-2284.	2.2	9
119	Probing the Regioselectivity with Encapsulated H ₂ : Diels-Alder Reaction of an Open-Cage C ₆₀ Derivative with Anthracene. <i>Chemistry - A European Journal</i> , 2019, 25, 2482-2485.	1.7	9
120	Pressure-induced annulative orifice closure of a cage-opened C ₆₀ derivative. <i>Chemical Communications</i> , 2021, 57, 5322-5325.	2.2	9
121	An Androsterone@H ₂ @C ₆₀ hybrid: Synthesis, Properties and Molecular Docking Simulations with SARS-CoV-2. <i>ChemPlusChem</i> , 2021, 86, 972-981.	1.3	9
122	Reductive Decarbonylation of a Cage-Opened C ₆₀ Derivative. <i>Organic Letters</i> , 2021, 23, 9495-9499.	2.4	9
123	Inelastic Electron Transport and Ortho-Para Fluctuation of Water Molecule in H ₂ O@C ₆₀ Single Molecule Transistors. <i>Nano Letters</i> , 2021, 21, 10346-10353.	4.5	9
124	Near- and Mid-IR Gas-Phase Absorption Spectra of H ₂ @C ₆₀ ⁺ -He. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8162-8166.	1.1	8
125	Construction of a Metal-Free Electron Spin System by Encapsulation of an NO Molecule Inside an Open-Cage Fullerene C ₆₀ Derivative. <i>Angewandte Chemie</i> , 2018, 130, 12986-12990.	1.6	8
126	Recognition of hydrogen isotopomers by an open-cage fullerene. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20110629.	1.6	7

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127	Partially Oxygen-Bridged Triphenylamines with a Quasiplanar Structure as a Key Scaffold for Hole-Transporting Materials. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2016, 74, 1128-1135.	0.0	7
128	Fullerene C ₇₀ as a Nanoflask that Reveals the Chemical Reactivity of Atomic Nitrogen. Angewandte Chemie, 2017, 129, 6588-6591.	1.6	7
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