

Yasujiro Murata

List of Publications by Year in descending order

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155
papers

7,133
citations

76196

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64668

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times ranked

5494
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#	ARTICLE	IF	CITATIONS
1	Amphiphilic β -cyclodextrin@fullerene complexes with photodynamic activity. <i>Materials Advances</i> , 2022, 3, 312-317.	2.6	0
2	An H_2O Molecule Stabilized inside Open-Cage C_{60} Derivatives by a Hydroxy Stopper. <i>Chemistry - A European Journal</i> , 2022, 28, e202103836.	1.7	7
3	π -Backbonding on Group 9 Metal Complexes Bearing an λ^2 -($H_2O@C_{60}$) Ligand. <i>Organometallics</i> , 2022, 41, 354-359.	1.1	10
4	Hydrogenation of cage-opened C_{60} derivatives mediated by frustrated Lewis pairs. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1000-1003.	1.5	5
5	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
6	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
7	Precise Fixation of an NO Molecule inside Carbon Nanopores: A Long-Range Electron-Nuclear Interaction. <i>Angewandte Chemie</i> , 2021, 133, 2902-2906.	1.6	2
8	Pressure-induced annulative orifice closure of a cage-opened C_{60} derivative. <i>Chemical Communications</i> , 2021, 57, 5322-5325.	2.2	9
9	Dynamics and magnetic properties of NO molecules encapsulated in open-cage fullerene derivatives evidenced by low temperature heat capacity. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10251-10256.	1.3	4
10	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
11	Reactions on a 1,2-dicarbonyl Moiety of a Fullerene Skeleton. <i>Chemistry - A European Journal</i> , 2021, 27, 7235-7238.	1.7	6
12	Photochemical Orifice Expansion of a Cage-Opened C_{60} Derivative. <i>Organic Letters</i> , 2021, 23, 3854-3858.	2.4	12
13	Reactions of C_{60} with Pyridazine and Phthalazine. <i>Chemistry - A European Journal</i> , 2021, 27, 7507-7511.	1.7	6
14	An Androsterone@ $H_2@C_{60}$ hybrid: Synthesis, Properties and Molecular Docking Simulations with SARS-CoV-2. <i>ChemPlusChem</i> , 2021, 86, 970-971.	1.3	2
15	Cage-Expansion of Fullerenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 12450-12454.	6.6	19
16	Water-Mediated Thermal Rearrangement of a Cage-Opened C_{60} Derivative. <i>ChemPlusChem</i> , 2021, 86, 1559-1562.	1.3	3
17	Synthesis and Oligomerization of $CpM(CO)_2$. <i>ACS Omega</i> , 2021, 6, 34137-34141.	1.6	3
18	Reductive Decarbonylation of a Cage-Opened C_{60} Derivative. <i>Organic Letters</i> , 2021, 23, 9495-9499.	2.4	9

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19	Amino-Functionalized Cage-Opened C ₆₀ Derivatives. <i>Organic Letters</i> , 2021, 23, 9586-9590.	2.4	12
20	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
21	Synthesis of a Dihydroxylated Open-Cage [70]Fullerene by a Reductive Ring-Closure Reaction. <i>Organic Letters</i> , 2020, 22, 8624-8628.	2.4	6
22	Cation recognition on a fullerene-based macrocycle. <i>Chemical Science</i> , 2020, 11, 12428-12435.	3.7	21
23	Organophosphorus zwitterions engaged in a conjugated macrocycle on fullerene. <i>Communications Chemistry</i> , 2020, 3, .	2.0	26
24	An orifice design: water insertion into C ₆₀ . <i>RSC Advances</i> , 2020, 10, 40406-40410.	1.7	16
25	Double-Holed Fullerenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 20572-20576.	6.6	22
26	Precise synthesis of double-armed polymers with fullerene C ₆₀ at the junction for controlled architecture. <i>Polymer Chemistry</i> , 2020, 11, 4417-4425.	1.9	0
27	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
28	EPR study of NO radicals encased in modified open C ₆₀ fullerenes. <i>Magnetic Resonance</i> , 2020, 1, 197-207.	0.8	5
29	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
30	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
31	How to Make Dense and Flat Perovskite Layers for \sim 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
32	Propeller-Shaped Aluminum Complexes with an Azaperylene Core in the Ligands. <i>Inorganics</i> , 2019, 7, 109.	1.2	1
33	Tuneable single-molecule electronic conductance of C ₆₀ by encapsulation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12606-12610.	1.3	14
34	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
35	A Purified, Solvent-Intercalated Precursor Complex for Wide-Process Window Fabrication of Efficient Perovskite Solar Cells and Modules. <i>Angewandte Chemie</i> , 2019, 131, 9489-9493.	1.6	5
36	A Purified, Solvent-Intercalated Precursor Complex for Wide-Process Window Fabrication of Efficient Perovskite Solar Cells and Modules. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9389-9393.	7.2	46

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37	Donor-acceptor polymers containing thiazole-fused benzothiadiazole acceptor units for organic solar cells. RSC Advances, 2019, 9, 7107-7114.	1.7	17
38	Rotational Motion and Nuclear Spin Interconversion of H ₂ O Encapsulated in C ₆₀ Appearing in the Low-Temperature Heat Capacity. Journal of Physical Chemistry Letters, 2019, 10, 1306-1311.	2.1	20
39	Influence of Alkoxy Chain Length on the Properties of Two-Dimensionally Expanded Azulene-Based Hole-Transporting Materials for Efficient Perovskite Solar Cells. Chemistry - A European Journal, 2019, 25, 6741-6752.	1.7	21
40	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
41	Probing the Regioselectivity with Encapsulated H ₂ : Diels-Alder Reaction of an Open-Cage C ₆₀ Derivative with Anthracene. Chemistry - A European Journal, 2019, 25, 2482-2485.	1.7	9
42	Roles of Polymer Layer in Enhanced Photovoltaic Performance of Perovskite Solar Cells via Interface Engineering. Advanced Materials Interfaces, 2018, 5, 1701256.	1.9	60
43	Synthesis and properties of open-cage fullerene C ₆₀ derivatives: impact of the extended π -conjugation. Materials Chemistry Frontiers, 2018, 2, 206-213.	3.2	29
44	A single <i>but</i> hydrogen-bonded water molecule confined in an anisotropic subnanospace. Chemical Communications, 2018, 54, 13686-13689.	2.2	37
45	Mechanochemistry <i>vs.</i> solution growth: striking differences in bench stability of a cimetidine salt based on a synthetic method. CrystEngComm, 2018, 20, 7242-7247.	1.3	7
46	Wavelength-Dependent Efficiency of Sequential Photooxygenation: C=C Bond Cleavage on Open-Cage C ₆₀ Derivatives. ChemPlusChem, 2018, 83, 1179-1183.	1.3	11
47	Efficient Synthesis and Properties of [1]Benzothieno[3,2- <i>b</i>]thieno[2,3- <i>d</i>]furans and [1]Benzothieno[3,2- <i>b</i>]thieno[2,3- <i>d</i>]thiophenes. Asian Journal of Organic Chemistry, 2018, 7, 1635-1641.	1.3	7
48	Construction of a Metal-Free Electron Spin System by Encapsulation of an NO Molecule Inside an Open-Cage Fullerene C ₆₀ Derivative. Angewandte Chemie - International Edition, 2018, 57, 12804-12808.	7.2	27
49	Near- and Mid-IR Gas-Phase Absorption Spectra of H ₂ @C ₆₀ ⁺ -He. Journal of Physical Chemistry A, 2018, 122, 8162-8166.	1.1	8
50	High Bending Durability of Efficient Flexible Perovskite Solar Cells Using Metal Oxide Electron Transport Layer. Journal of Physical Chemistry C, 2018, 122, 17088-17095.	1.5	28
51	Construction of a Metal-Free Electron Spin System by Encapsulation of an NO Molecule Inside an Open-Cage Fullerene C ₆₀ Derivative. Angewandte Chemie, 2018, 130, 12986-12990.	1.6	8
52	NIR-Absorbing Dye Based on BF ₂ -Bridged Azafulvene Dimer as a Strong Electron-Accepting Unit. Organic Letters, 2018, 20, 5135-5138.	2.4	36
53	Lead-Free Solar Cells based on Tin Halide Perovskite Films with High Coverage and Improved Aggregation. Angewandte Chemie - International Edition, 2018, 57, 13221-13225.	7.2	111
54	Lead-Free Solar Cells based on Tin Halide Perovskite Films with High Coverage and Improved Aggregation. Angewandte Chemie, 2018, 130, 13405-13409.	1.6	36

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55	Probing the interaction between the encapsulated water molecule and the fullerene cages in $H_{2@C_{60}}$ and $H_{2@C_{59}N}$. <i>Chemical Science</i> , 2018, 9, 5666-5671.	3.7	20
56	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
57	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
58	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
59	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
60	Dyes with an Intramolecular 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
61	Single Molecular Junction Study on $H_{2@C_{60}}$: $H_{2@C_{60}}$ is Electrostatically Isolated. <i>ChemPhysChem</i> , 2017, 18, 1229-1233.	1.0	14
62	Unprecedented photochemical rearrangement of an open-cage C_{60} derivative. <i>Chemical Communications</i> , 2017, 53, 1712-1714.	2.2	11
63	Dyes with Diketopyrrolopyrrole and Boryl-substituted Thienylthiazole Units for Dye-sensitized Solar Cells with High SC_{in} Values. <i>Chemistry Letters</i> , 2017, 46, 715-718.	0.7	16
64	Oxygen-Bridged Diphenylnaphthylamine as a Scaffold for Full-Color Circularly Polarized Luminescent Materials. <i>Journal of Organic Chemistry</i> , 2017, 82, 5242-5249.	1.7	60
65	Isolation of the simplest hydrated acid. <i>Science Advances</i> , 2017, 3, e1602833.	4.7	39
66	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
67	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
68	Fullerene C_{70} as a Nanoflask that Reveals the Chemical Reactivity of Atomic Nitrogen. <i>Angewandte Chemie</i> , 2017, 129, 6588-6591.	1.6	7
69	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
70	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
71	Synthesis and Structure of an Open-cage $C_{69}O$ Derivative. <i>Chemistry Letters</i> , 2017, 46, 543-546.	0.7	5
72	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

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73	Unsymmetric Twofold Scholl Cyclization of a 5,11-Dinaphthyltetracene: Selective Formation of Pentagonal and Hexagonal Rings via Dicationic Intermediates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5082-5086.	7.2	45
74	A Stable, Soluble, and Crystalline Supramolecular System with a Triplet Ground State. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4261-4265.	7.2	40
75	Development of Transparent Organic Hole-transporting Materials Using Partially Oxygen-bridged Triphenylamine Skeletons. <i>Chemistry Letters</i> , 2017, 46, 817-820.	0.7	20
76	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
77	Palladium-Catalyzed Cyclization: Regioselectivity and Structure of Arene-Fused C60 Derivatives. <i>Journal of the American Chemical Society</i> , 2017, 139, 16350-16358.	6.6	63
78	Solvent-Coordinated Tin Halide Complexes as Purified Precursors for Tin-Based Perovskites. <i>ACS Omega</i> , 2017, 2, 7016-7021.	1.6	85
79	A Stable, Soluble, and Crystalline Supramolecular System with a Triplet Ground State. <i>Angewandte Chemie</i> , 2017, 129, 4325-4329.	1.6	19
80	High-Resolution Photoelectron Imaging of Cryogenically-Cooled C ₅₉ N ²⁺ and (C ₅₉ N) ₂ ²⁺ Azafullerene Anions. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 6220-6225.	2.1	7
81	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
82	Synthesis of Azole-fused Benzothiadiazoles as Key Units for Functional π -Conjugated Compounds. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2017, 30, 561-568.	0.1	4
83	Partially Oxygen-Bridged Triphenylamines with a Quasiplanar Structure as a Key Scaffold for Hole-Transporting Materials. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2016, 74, 1128-1135.	0.0	7
84	Co(I)-Mediated Removal of Addends on the C ₆₀ Cage and Formation of the Monovalent Cobalt Complex CpCo(CO)(η -C ₆₀). <i>Organic Letters</i> , 2016, 18, 6348-6351.	2.4	12
85	Highly stable perovskite solar cells with an all-carbon hole transport layer. <i>Nanoscale</i> , 2016, 8, 11882-11888.	2.8	107
86	Water Entrapped inside Fullerene Cages: A Potential Probe for Evaluation of Bond Polarization. <i>Angewandte Chemie</i> , 2016, 128, 13303-13307.	1.6	5
87	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
88	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
89	The Influence of Quasiplanar 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
90	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

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91	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
92	Synthesis of a distinct water dimer inside fullerene C70. <i>Nature Chemistry</i> , 2016, 8, 435-441.	6.6	114
93	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
94	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
95	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 - International Edition</i> , 2015, 54, 14791-14794.	7.2	40
96	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
97	Enantiospecific <i>cis</i> \rightarrow <i>trans</i> Isomerization in Chiral Fulleropyrrolidines: Hydrogen-Bonding Assistance in the Carbanion Stabilization in H ₂ O@C ₆₀ . <i>Journal of the American Chemical Society</i> , 2015, 137, 1190-1197.	6.6	40
98	Interaction of H ₂ @C ₆₀ and Nitroxide through Conformationally Constrained Peptide Bridges. <i>Photochemistry and Photobiology</i> , 2014, 90, 439-447.	1.3	3
99	Reproducible Fabrication of Efficient Perovskite-based Solar Cells: X-ray Crystallographic Studies on the Formation of CH ₃ NH ₃ Pb ₃ Layers. <i>Chemistry Letters</i> , 2014, 43, 711-713.	0.7	284
100	On-Top 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
101	Synthesis of Open-Cage Ketolactam Derivatives of Fullerene C ₆₀ Encapsulating a Hydrogen Molecule. <i>Organic Letters</i> , 2014, 16, 2970-2973.	2.4	38
102	A cubic dipole lattice of water molecules trapped inside carbon cages. <i>Chemical Communications</i> , 2014, 50, 524-526.	2.2	41
103	Catalytic stereodivergent functionalization of H ₂ @C ₆₀ . <i>Chemical Communications</i> , 2014, 50, 740-742.	2.2	27
104	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
105	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
106	Thiazole-fused Benzothiadiazole as a Key Skeleton for T-Shaped Electron-accepting Building Blocks. <i>Chemistry Letters</i> , 2014, 43, 1386-1388.	0.7	4
107	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
108	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

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109	X-ray observation of a helium atom and placing a nitrogen atom inside He@C ₆₀ and He@C ₇₀ . Nature Communications, 2013, 4, 1554.	5.8	55
110	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
111	Site-selective sequential coupling reactions controlled by "Electrochemical Reaction Site Switching" a straightforward approach to 1,4-bis(diaryl)buta-1,3-diynes. Organic and Biomolecular Chemistry, 2012, 10, 9562.	1.5	33
112	Synthesis, Isomer Count, and Nuclear Spin Relaxation of H ₂ O@Open-C ₆₀ Nitroxide Derivatives. Organic Letters, 2012, 14, 3822-3825.	2.4	10
113	Quantum rotation of <i>ortho</i> and <i>para</i> -water encapsulated in a fullerene cage. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12894-12898.	3.3	135
114	ENDOR Evidence of Electron-H ₂ Interaction in a Fullerene Embedding H ₂ . Journal of the American Chemical Society, 2012, 134, 12881-12884.	6.6	6
115	Comparison of Nuclear Spin Relaxation of H ₂ O@C ₆₀ and H ₂ @C ₆₀ and Their Nitroxide Derivatives. Journal of Physical Chemistry Letters, 2012, 3, 1165-1168.	2.1	36
116	Synthesis and characterization of bispyrrolidine derivatives of H ₂ @C ₆₀ : differentiation of isomers using 1H NMR spectroscopy of endohedral H ₂ . Chemical Communications, 2011, 47, 2282-2284.	2.2	9
117	Modification of the π -framework of [60]fullerene for bulk-heterojunction solar cells. Chemical Communications, 2011, 47, 7335.	2.2	31
118	Indirect 1H NMR characterization of H ₂ @C ₆₀ nitroxide derivatives and their nuclear spin relaxation. Chemical Communications, 2011, 47, 12527.	2.2	15
119	Distance-Dependent <i>para</i> -H ₂ ' <i>ortho</i> -H ₂ Conversion in H ₂ @C ₆₀ Derivatives Covalently Linked to a Nitroxide Radical. Journal of Physical Chemistry Letters, 2011, 2, 741-744.	2.1	24
120	Manganese(III) acetate-mediated radical reaction of [60]fullerene with phosphonate esters affording unprecedented separable singly-bonded [60]fullerene dimers. Chemical Communications, 2011, 47, 6111.	2.2	68
121	A Single Molecule of Water Encapsulated in Fullerene C ₆₀ . Science, 2011, 333, 613-616.	6.0	474
122	Reaction of Cage-opened Fullerene Derivative with Grignard Reagents and Subsequent Transannular Cyclization. Chemistry Letters, 2010, 39, 298-299.	0.7	18
123	Comparative NMR Properties of H ₂ and HD in Toluene- <i>d</i> ₈ and in H ₂ /HD@C ₆₀ . Journal of Physical Chemistry B, 2010, 114, 14689-14695.	1.2	34
124	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
125	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. Accounts of Chemical Research, 2010, 43, 335-345.	7.6	74
126	Rational synthesis, enrichment, and 13C NMR spectra of endohedral C ₆₀ and C ₇₀ encapsulating a helium atom. Chemical Communications, 2010, 46, 4532.	2.2	79

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127	Rotational Sublevels of an Ortho-Hydrogen Molecule Encapsulated in an Isotropic C_{60} Cage. <i>Physical Review Letters</i> , 2009, 103, 073001.	2.9	45
128	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
129	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
130	Surgery of fullerenes. <i>Chemical Communications</i> , 2008, , 6083.	2.2	294
131	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
132	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
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