Luis Echegoyen

List of Publications by Year
in descending order

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414 papers	22,982 citations	5248 83 h-index	15683 125 g-index
433 all docs	433 docs citations	433 times ranked	13800 citing authors

#	Article	IF	Citations
1	Electrochemical detection of C606- and C706-: Enhanced stability of fullerides in solution. Journal of the American Chemical Society, 1992, 114, 3978-3980.	6.6	918
2	Electrochemistry of Fullerenes and Their Derivatives. Accounts of Chemical Research, 1998, 31, 593-601.	7.6	756
3	Chemical, Electrochemical, and Structural Properties of Endohedral Metallofullerenes. Angewandte Chemie - International Edition, 2009, 48, 7514-7538.	7.2	464
4	Fullereneâ^'Oligophenylenevinylene Hybrids:â€‰ Synthesis, Electronic Properties, and Incorporation in Photovoltaic Devices. Journal of the American Chemical Society, 2000, 122, 7467-7479.	6.6	345
5	Electrochemistry of Supramolecular Systems. Angewandte Chemie - International Edition, 1998, 37, 216-247.	7.2	316
6	Nanoassembly of a Fractal Polymer: A Molecular "Sierpinski Hexagonal Gasket". Science, 2006, 312, 1782-1785.	6.0	285
7	Fullerenes in biology and medicine. Journal of Materials Chemistry B, 2017, 5, 6523-6535.	2.9	269
8	Tuning of Trifunctional NiCu Bimetallic Nanoparticles Confined in a Porous Carbon Network with Surface Composition and Local Structural Distortions for the Electrocatalytic Oxygen Reduction, Oxygen and Hydrogen Evolution Reactions. Journal of the American Chemical Society, 2020, 142, 14688-14701.	6.6	231
9	Subphthalocyanines:Â Tuneable Molecular Scaffolds for Intramolecular Electron and Energy Transfer Processes. Journal of the American Chemical Society, 2004, 126, 6301-6313.	6.6	219
10	Routes to Dendritic Networks: Bis-Dendrimers by Coupling of Cascade Macromolecules through Metal Centers. Angewandte Chemie International Edition in English, 1995, 34, 2023-2026.	4.4	204
11	Clarification of the hole-size cation-diameter relationship in crown ethers and a new method for determining calcium cation homogeneous equilibrium binding constants. Journal of the American Chemical Society, 1983, 105, 6786-6788.	6.6	198
12	Synthesis, Photochemistry, and Electrochemistry of Single-Wall Carbon Nanotubes with Pendent Pyridyl Groups and of Their Metal Complexes with Zinc Porphyrin. Comparison with Pyridyl-Bearing Fullerenes. Journal of the American Chemical Society, 2006, 128, 6626-6635.	6.6	194
13	Rationalization of the unusual electrochemical behavior observed in lariat ethers and other reducible macrocyclic systems. Analytical Chemistry, 1988, 60, 2021-2024.	3.2	192
14	Design, Synthesis, and Photophysical Studies of a Porphyrin-Fullerene Dyad with Parachute Topology; Charge Recombination in the Marcus Inverted Region. Journal of the American Chemical Society, 2004, 126, 7257-7270.	6.6	187
15	Unexpected Chemical and Electrochemical Properties of M3N@C80 (M = Sc, Y, Er). Journal of the American Chemical Society, 2006, 128, 6480-6485.	6.6	183
16	Trimetallic Nitride Endohedral Metallofullerenes:Â Reactivity Dictated by the Encapsulated Metal Cluster. Journal of the American Chemical Society, 2005, 127, 10448-10453.	6.6	176
17	Coâ€“Cu Bimetallic Metal Organic Framework Catalyst Outperforms the Pt/C Benchmark for Oxygen Reduction. Journal of the American Chemical Society, 2021, 143, 4064-4073.	6.6	175
18	Electrochemically-reversible, single-electron oxidation of C60 and C70. Journal of the American Chemical Society, 1993, 115, 9818-9819.	6.6	167

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19	Charge-Transfer Interactions in Face-to-Face Porphyrin-Fullerene Systems: Solvent-Dependent Luminescence in the Infrared Spectral Region. Chemistry - A European Journal, 2000, 6, 1629-1645.	1.7	165
20	Stable Langmuir and Langmuirâ"Blodgett Films of Fullereneâ"Glycodendron Conjugates. Langmuir, 1998, 14, 1955-1959.	1.6	158
21	A new pyridyl-substituted methanofullerene derivative. Photophysics, electrochemistry and self-assembly with zinc(II) meso-tetraphenylporphyrin (ZnTPP). New Journal of Chemistry, 1999, 23, 77-83.	1.4	151
22	Reversible Fullerene Electrochemistry: Correlation with the HOMO-LUMO Energy Difference for C60, C70, C76, C78, and C84. Journal of the American Chemical Society, 1995, 117, 7801-7804.	6.6	149
23	Interfacial Hydrogen Bonding. Self-Assembly of a Monolayer of a Fullereneâ"Crown Ether Derivative on Gold Surfaces Derivatized with an Ammonium-Terminated Alkanethiolate. Journal of the American Chemical Society, 1996, 118, 6086-6087.	6.6	148
24	Cover Picture: Retro-Cycloaddition Reaction of Pyrrolidinofullerenes (Angew. Chem. Int. Ed. 1/2006). Angewandte Chemie - International Edition, 2006, 45, 1-1.	7.2	145
25	Synthesis of a membrane-insertable, sodium cation conducting channel: kinetic analysis by dynamic sodium-23 NMR. Journal of the American Chemical Society, 1990, 112, 1287-1289.	6.6	142
26	Sc₃N@C₈₀â€Ferrocene Electronâ€Donor/Acceptor Conjugates as Promising Materials for Photovoltaic Applications. Angewandte Chemie - International Edition, 2008, 47, 4173-4176.	7.2	141
27	Tuning the Intermolecular Electron Transfer of Low-Dimensional and Metal-Free BCN/C₆₀ Electrocatalysts via Interfacial Defects for Efficient Hydrogen and Oxygen Electrochemistry. Journal of the American Chemical Society, 2021, 143, 1203-1215.	6.6	140
28	Convergent Synthesis and Photophysics of [60]Fullerene/Porphyrin-Based Rotaxanes. Journal of the American Chemical Society, 2004, 126, 3388-3389.	6.6	137
29	A Simple Isomeric Separation ofD5handIhSc3N@C80by Selective Chemical Oxidation. Journal of the American Chemical Society, 2005, 127, 10885-10888.	6.6	133
30	The First Fulleropyrrolidine Derivative of Sc3N@C80:Â Pronounced Chemical Shift Differences of the Geminal Protons on the Pyrrolidine Ring. Journal of Organic Chemistry, 2005, 70, 5092-5097.	1.7	132
31	Carbon nano-onions for supercapacitor electrodes: recent developments and applications. Journal of Materials Chemistry A, 2013, 1, 13703.	5.2	132
32	Is the Isolated Pentagon Rule Merely a Suggestion for Endohedral Fullerenes? The Structure of a Second Egg-Shaped Endohedral Fullereneâ€"Gd3N@Cs(39663)-C82. Journal of the American Chemical Society, 2008, 130, 7854-7855.	6.6	129
33	Reactivity Differences between Carbon Nano Onions (CNOs) Prepared by Different Methods. Chemistry - an Asian Journal, 2007, 2, 625-633.	1.7	128
34	Synthesis, and Optical and Electrochemical Properties of Cyclophane-Type Molecular Dyads Containing a Porphyrin in Close, Tangential Orientation Relative to the Surface oftrans-1 Functionalized C60. Preliminary Communication. Helvetica Chimica Acta, 1998, 81, 1835-1844.	1.0	125
35	Exceptional Redox and Photophysical Properties of a Triply Fused Diporphyrinâ€"C60 Conjugate: Novel Scaffolds for Multicharge Storage in Molecular Scale Electronics. Angewandte Chemie - International Edition, 2003, 42, 4966-4970.	7.2	124
36	Large Metal Ions in a Relatively Small Fullerene Cage: The Structure of Gd₃N@C₂(22010)-C₇₈ Departs from the Isolated Pentagon Rule. Journal of the American Chemical Society, 2009, 131, 11519-11524.	6.6	124

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37	Sc₂S@C_s(10528)-C₇₂: A Dimetallic Sulfide Endohedral Fullerene with a Non Isolated Pentagon Rule Cage. Journal of the American Chemical Society, 2012, 134, 7851-7860.	6.6	123
38	â€œOpen Rather than Closedâ€•Malonate Methano-Fullerene Derivatives. The Formation of Methanofulleroid Adducts of Y₃N@C₈₀. Journal of the American Chemical Society, 2007, 129, 10423-10430.	6.6	122
39	The Shape of the Sc₂(Î¼₂-S) Unit Trapped in C₈₂: Crystallographic, Computational, and Electrochemical Studies of the Isomers, Sc₂(Î¼₂-S)@C_s(6)-C₈₂ and Sc₂(Î¼₂-S)@C_{3v}(8)-C₈₂. Journal of the American Chemical Society, 2011, 133, 6752-6760.	6.6	121
40	Photoinduced Charge Transfer and Electrochemical Properties of Triphenylamine Ih-Sc3N@C80 Donorâ^'Acceptor Conjugates. Journal of the American Chemical Society, 2009, 131, 7727-7734.	6.6	120
41	Redox-switched molecular aggregates: the first example of vesicle formation from hydrophobic ferrocene derivatives. Journal of the American Chemical Society, 1991, 113, 365-366.	6.6	119
42	Triply Fused ZnIIâ€“Porphyrin Oligomers: Synthesis, Properties, and Supramolecular Interactions with Single-Walled Carbon Nanotubes (SWNTs). Chemistry - A European Journal, 2006, 12, 6062-6070.	1.7	119
43	Preparation of Enantiomerically Pure C76 with a General Electrochemical Method for the Removal of Di(alkoxycarbonyl)methano Bridges from Methanofullerenes: The Retro-Bingel Reaction. Angewandte Chemie - International Edition, 1998, 37, 1919-1922.	7.2	118
44	Photoinduced Charge-Transfer States in Subphthalocyanineâ^'Ferrocene Dyads. Journal of the American Chemical Society, 2006, 128, 10680-10681.	6.6	116
45	Progress in fullerene-based hybrid perovskite solar cells. Journal of Materials Chemistry C, 2018, 6, 2635-2651.	2.7	114
46	Synthesis and Electrochemical Properties of Phthalocyanineâ€“Fullerene Hybrids. Chemistry - A European Journal, 2000, 6, 3600-3607.	1.7	114
47	Tuning Photoinduced Energy- and Electron-Transfer Events in Subphthalocyanine-Phthalocyanine Dyads. Chemistry - A European Journal, 2005, 11, 3881-3893.	1.7	112
48	Azobenzene-Linked Porphyrinâ^'Fullerene Dyads. Journal of the American Chemical Society, 2007, 129, 15973-15982.	6.6	112
49	Tailoring the Interfacial Interactions of van der Waals 1T-MoS₂/C₆₀ Heterostructures for High-Performance Hydrogen Evolution Reaction Electrocatalysis. Journal of the American Chemical Society, 2020, 142, 17923-17927.	6.6	112
50	Energy and Electron Transfer in Polyacetylene-Linked Zinc-Porphyrin-[60]Fullerene Molecular Wires. Chemistry - A European Journal, 2005, 11, 3375-3388.	1.7	110
51	Triazole Bridges as Versatile Linkers in Electron Donorâ€“Acceptor Conjugates. Journal of the American Chemical Society, 2011, 133, 13036-13054.	6.6	109
52	Redox-Active Self-Assembled Monolayers for Solid-Contact Polymeric Membrane Ion-Selective Electrodes. Chemistry of Materials, 2002, 14, 1721-1729.	3.2	106
53	Synthesis of a new endohedral fullerene family, Sc2S@C2n (n = 40â€“50) by the introduction of SO2. Chemical Communications, 2010, 46, 4818.	2.2	106
54	Redox-active self-assembled monolayers as novel solid contacts for ion-selective electrodes. Chemical Communications, 2000, , 339-340.	2.2	105

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55	Synthesis, Characterization, and Photoinduced Electron Transfer Processes of Orthogonal Ruthenium Phthalocyanineâ^'Fullerene Assemblies. Journal of the American Chemical Society, 2009, 131, 10484-10496.	6.6	105
56	Temperature-Dependent Polarization in Field-Effect Transport and Photovoltaic Measurements of Methylammonium Lead Iodide. Journal of Physical Chemistry Letters, 2015, 6, 3565-3571.	2.1	105
57	Stilbazulenyl Nitrone (STAZN):â€‰ A Nitronyl-Substituted Hydrocarbon with the Potency of Classical Phenolic Chain-Breaking Antioxidants. Journal of the American Chemical Society, 2002, 124, 4678-4684.	6.6	101
58	Oxidation of Aqueous EDTA and Associated Organics and Coprecipitation of Inorganics by Ambient Iron-Mediated Aeration. Environmental Science & Technology, 2007, 41, 270-276.	4.6	101
59	Energy and Electron Transfer in Î²-Alkynyl-Linked Porphyrinâ^'[60]Fullerene Dyads. Journal of Physical Chemistry B, 2006, 110, 14155-14166.	1.2	100
60	Phthalocyanineâ^'Azacrownâ^'Fullerene Multicomponent System:Â Synthesis, Photoinduced Processes, and Electrochemistry#. Organic Letters, 1999, 1, 1807-1810.	2.4	99
61	Electrochemical switching in anthraquinone-substituted carbon-pivot lariat ethers and podands: chain length effects in geometric and electronic cooperativity. Journal of the American Chemical Society, 1986, 108, 7553-7560.	6.6	98
62	Redox Characteristics of Covalent Derivatives of the Higher Fullerenes C70, C76, and C78. Journal of the American Chemical Society, 1998, 120, 7860-7868.	6.6	97
63	Control Over Charge Separation in Phthalocyanineâ^'Anthraquinone Conjugates as a Function of the Aggregation Status. Journal of the American Chemical Society, 2006, 128, 12674-12684.	6.6	97
64	Chemistry of C84: Separation of Three Constitutional Isomers and Optical Resolution ofD2-C84 by Using the â€œBingel-Retro-Bingelâ€•Strategy. Angewandte Chemie - International Edition, 1999, 38, 1613-1617.	7.2	96
65	Metal Nitride Cluster Fullerene M₃N@C₈₀ (M=Y, Sc) Based Dyads: Synthesis, and Electrochemical, Theoretical and Photophysical Studies. Chemistry - A European Journal, 2009, 15, 864-877.	1.7	96
66	U₂@I_h(7)-C₈₀: Crystallographic Characterization of a Long-Sought Dimetallic Actinide Endohedral Fullerene. Journal of the American Chemical Society, 2018, 140, 3907-3915.	6.6	96
67	Electrochemical switching of lariat ethers. Survey of cation binding by neutral and reduced forms of one- and two-armed carbon- and nitrogen-pivot lariat ethers. Journal of the American Chemical Society, 1985, 107, 1958-1965.	6.6	95
68	Regioselective Synthesis oftrans-1 Fullerene Bis-Adducts Directed by a Crown Ether Tether: Alkali Metal Cation Modulated Redox Properties of Fullerene-Crown Ether Conjugates. Angewandte Chemie - International Edition, 1998, 37, 2118-2121.	7.2	95
69	Gd₃N@C₂_n (n = 40, 42, and 44):â€‰ Remarkably Low HOMOâ^'LUMO Gap and Unusual Electrochemical Reversibility of Gd₃N@C₈₈. Journal of the American Chemical Society, 2007, 129, 14826-14829.	6.6	94
70	Electrochemical oxidation and determination of dopamine in the presence of uric and ascorbic acids using a carbon nano-onion and poly(diallyldimethylammonium chloride) composite. Electrochimica Acta, 2012, 72, 61-67.	2.6	94
71	Three-Dimensional Graphene Nanostructures. Journal of the American Chemical Society, 2018, 140, 9341-9345.	6.6	93
72	X-Ray crystallographic and EPR spectroscopic characterization of a pyrrolidine adduct of Y3N@C80. Chemical Communications, 2006, , 2653.	2.2	92

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73	[60]Fullerene-Stoppered Porphyrinorotaxanes:Â Pronounced Elongation of Charge-Separated-State Lifetimes. Journal of the American Chemical Society, 2004, 126, 9156-9157.	6.6	90
74	Contrasting one- and two-cation binding behavior in syn- and anti-anthraquinone bibracchial podand (BiP) mono- and dianions assessed by cyclic voltammetry and electron paramagnetic resonance spectroscopy. Journal of the American Chemical Society, 1988, 110, 119-124.	6.6	89
75	Lanthanum Nitride Endohedral Fullerenes La₃N@C_{2n} (43â‰¤nâ‰¤55): Preferential Formation of La₃N@C₉₆. Chemistry - A European Journal, 2008, 14, 8213-8219.	1.7	88
76	Endohedral Metallofullerenesâ€"Filled Fullerene Derivatives towards Multifunctional Reaction Center Mimics. Chemistry - A European Journal, 2012, 18, 5136-5148.	1.7	88
77	Selective CO2 capture in an imine linked porphyrin porous polymer. Polymer Chemistry, 2013, 4, 4566.	1.9	88
78	Selective Anion Sensing by a Tris-Amide CTV Derivative:Â1H NMR Titration, Self-Assembled Monolayers, and Impedance Spectroscopy. Journal of the American Chemical Society, 2005, 127, 2006-2011.	6.6	87
79	Electroactive Calixarenes. 1. Redox and Cation Binding Properties of Calixquinones. Journal of the American Chemical Society, 1994, 116, 3580-3587.	6.6	86
80	Trimetallic Nitride Endohedral Fullerenes: Experimental and Theoretical Evidence for the M₃N⁶⁺@C_{2n}^{6â^'} model. Angewandte Chemie - International Edition, 2009, 48, 1425-1428.	7.2	86
81	Functionalization of Multilayer Fullerenes (Carbon Nano-Onions) using Diazonium Compounds and â€œClickâ€•Chemistry. Organic Letters, 2010, 12, 840-843.	2.4	85
82	[2 + 2] Cycloaddition Reaction to Sc₃N@I_h-C₈₀. The Formation of Very Stable [5,6]- and [6,6]-Adducts. Journal of the American Chemical Society, 2011, 133, 1563-1571.	6.6	85
83	Electronic Structure and Redox Properties of Metal Nitride Endohedral Fullerenes M₃N@C_{2n} (M=Sc, Y, La, and Gd; 2n=80, 84, 88, 92, 96). Chemistry - A European Journal, 2009, 15, 10997-11009.	1.7	84
84	Dithia-Crown-Annelated Tetrathiafulvalene Disulfides:Â Synthesis, Electrochemistry, Self-Assembled Films, and Metal Ion Recognition. Journal of Organic Chemistry, 2000, 65, 3292-3298.	1.7	83
85	A supramolecular approach for the formation of fullereneâ€"phthalocyanine dyads. Journal of Materials Chemistry, 2002, 12, 2095-2099.	6.7	82
86	Zigzag Sc₂C₂ Carbide Cluster inside a [88]Fullerene Cage with One Heptagon, Sc₂C₂@C_s(hept)-C₈₈: A Kinetically Trapped Fullerene Formed by C₂ Insertion?. Journal of the American Chemical Society, 2016, 138, 13030-13037.	6.6	81
87	Globular Dendrimers Involving a C60 Core and a Tetraphenyl Porphyrin Function. Chemistry - A European Journal, 1999, 5, 2362-2373.	1.7	80
88	Dancing on a Fullerene Surface: Isomerization of Y3N@(N-Ethylpyrrolidino-C80) from the 6,6 to the 5,6 Regioisomer. Angewandte Chemie - International Edition, 2006, 45, 8176-8180.	7.2	80
89	Energy Transfer Processes in Novel Subphthalocyanineâ^'Fullerene Ensembles. Organic Letters, 2002, 4, 335-338.	2.4	79
90	Ultrathin monolayer lipid membranes from a new family of crown ether-based bola-amphiphiles. Journal of the American Chemical Society, 1993, 115, 1705-1711.	6.6	78

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91	Kinetic Effects in the Electrochemistry of Fullerene Derivatives at Very Negative Potentials. Journal of the American Chemical Society, 1994, 116, 6388-6394.	6.6	78
92	Crystal Structure of [Ru(terpy)2]0:â€‰ A New Crystalline Material from the Reductive Electrocrystallization of [Ru(terpy)2]2+. Inorganic Chemistry, 1999, 38, 3337-3343.	1.9	78
93	New M₃N@C_{2n} Endohedral Metallofullerene Families (M=Nd, Pr, Ce;) Tj ETQq1 1 0.784314 rgBT /Over the C₉₆ Cage. Chemistry - A European Journal, 2008, 14, 4594-4599.	1.7	78
94	Facile Functionalization of Multilayer Fullerenes (Carbon Nanoâ€Onions) by Nitrene Chemistry and â€œGrafting fromâ€•Strategy. Chemistry - A European Journal, 2009, 15, 1389-1396.	1.7	78
95	Fullerenes as Nanocontainers That Stabilize Unique Actinide Species Inside: Structures, Formation, and Reactivity. Accounts of Chemical Research, 2019, 52, 1824-1833.	7.6	78
96	Preparation and Structural Characterization of the I_h and the D_{5h} Isomers of the Endohedral Fullerenes Tm₃N@C₈₀: Icosahedral C₈₀ Cage Encapsulation of a Trimetallic Nitride Magnetic Cluster with Three Uncoupled Tm³⁺ Ions. Inorganic Chemistry, 2008, 47, 5234-5244.	1.9	77
97	Sc₂S@C₂(7892)â€“C₇₀: a metallic sulfide cluster inside a non-IPR C₇₀cage. Chemical Science, 2013, 4, 180-186.	3.7	77
98	Evidence of Pronounced Electronic Coupling in a Directly Bonded Fullerene-Ferrocene Dyad. ChemPhysChem, 2002, 3, 195-205.	1.0	76
99	Reactive Carbon Nano-Onion Modified Glassy Carbon Surfaces as DNA Sensors for Human Papillomavirus Oncogene Detection with Enhanced Sensitivity. Analytical Chemistry, 2015, 87, 6744-6751.	3.2	75
100	Multiâ€Functionalized Carbon Nanoâ€onions as Imaging Probes for Cancer Cells. Chemistry - A European Journal, 2015, 21, 19071-19080.	1.7	74
101	Small Noncytotoxic Carbon Nanoâ€Onions: First Covalent Functionalization with Biomolecules. Chemistry - A European Journal, 2010, 16, 4870-4880.	1.7	73
102	Synthesis and Characterization of Non-Isolated-Pentagon-Rule Actinide Endohedral Metallofullerenes U@C₁(17418)-C₇₆, U@C₁(28324)-C₈₀, and Th@C₁(28324)-C₈₀: Low-Symmetry Cage Selection Directed by a Tetravalent Ion. Journal of the American Chemical Society, 2018, 140, 18039-18050.	6.6	73
103	Radical Addition of a Conjugated Polymer to Multilayer Fullerenes (Carbon Nano-onions). Chemistry of Materials, 2007, 19, 1411-1417.	3.2	72
104	Boron dipyrromethene (BODIPY) functionalized carbon nano-onions for high resolution cellular imaging. Nanoscale, 2014, 6, 13761-13769.	2.8	72
105	Walk on the Sphere:Â Electrochemically Induced Isomerization of C60Bis-adducts by Migration of Di(alkoxycarbonyl)methano Bridges. Journal of the American Chemical Society, 1998, 120, 8545-8546.	6.6	71
106	Single crystal structures and theoretical calculations of uranium endohedral metallofullerenes (U@C_{2n}, 2n = 74, 82) show cage isomer dependent oxidation states for U. Chemical Science, 2017, 8, 5282-5290.	3.7	71
107	Enhanced sodium cation binding by electrochemically reduced nitrobenzene-substituted lariat ethers. Journal of the American Chemical Society, 1983, 105, 7168-7169.	6.6	70
108	Photophysical and Electrochemical Properties ofmeso,meso-Linked Oligoporphyrin Rods with Appended Fullerene Terminals. ChemPhysChem, 2005, 6, 732-743.	1.0	70

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109	Synthesis oftrans-1,trans-2,trans-3, andtrans-4 Bisadducts of C60by Regio- and Stereoselective Tether-Directed Remote Functionalization. Chemistry - A European Journal, 2005, 11, 2284-2294.	1.7	70
110	NIR fluorescence labelled carbon nano-onions: synthesis, analysis and cellular imaging. Journal of Materials Chemistry B, 2014, 2, 7459-7463.	2.9	70
111	Purification of Uraniumâ€based Endohedral Metallofullerenes (EMFs) by Selective Supramolecular Encapsulation and Release. Angewandte Chemie - International Edition, 2018, 57, 11294-11299.	7.2	70
112	Methanofullerenes and Methanofulleroids Have Different Electrochemical Behavior at Negative Potentials. Journal of the American Chemical Society, 1995, 117, 1422-1427.	6.6	69
113	A New Fullerene Complexation Ligand:â€‰ N-Pyridylfulleropyrrolidine. Journal of Organic Chemistry, 2004, 69, 4602-4606.	1.7	69
114	Oligoporphyrin Arrays Conjugated to [60]Fullerene: Preparation, NMR Analysis, and Photophysical and Electrochemical Properties. Helvetica Chimica Acta, 2005, 88, 1839-1884.	1.0	69
115	Screening Electronic Communication through orthoâ€, metaâ€ and paraâ€Substituted Linkers Separating Subphthalocyanines and C₆₀. Chemistry - A European Journal, 2008, 14, 7670-7679.	1.7	69
116	Cation transport using anthraquinone-derived lariat ethers and podands: the first example of electrochemically switched on/off activation/deactivation. Journal of the American Chemical Society, 1989, 111, 2440-2443.	6.6	65
117	Cyclophane-Type Fullerene-dibenzo[18]crown-6 Conjugates withtrans-1,trans-2, andtrans-3 Addition Patterns: Regioselective Templated Synthesis, X-Ray Crystal Structure, Ionophoric Properties, and Cation-Complexation-Dependent Redox Behavior. Helvetica Chimica Acta, 1999, 82, 1572-1595.	1.0	64
118	Synthesis and Electrochemical Studies of Bingelâ€“Hirsch Derivatives of M₃N@I_hâ€C₈₀ (M=Sc, Lu). Chemistry - A European Journal, 2010, 16, 4864-4869.	1.7	64
119	Preparation and Characterization of Carbon Nanoâ€Onion/PEDOT:PSS Composites. ChemPhysChem, 2012, 13, 4134-4141.	1.0	64
120	Chemical versus Electrochemical Synthesis of Carbon Nanoâ€onion/Polypyrrole Composites for Supercapacitor Electrodes. Chemistry - A European Journal, 2015, 21, 5783-5793.	1.7	64
121	Fullerene Derivatives Strongly Inhibit HIV-1 Replication by Affecting Virus Maturation without Impairing Protease Activity. Antimicrobial Agents and Chemotherapy, 2016, 60, 5731-5741.	1.4	64
122	Fullerenes as Key Components for Lowâ€Dimensional (Photo)electrocatalytic Nanohybrid Materials. Angewandte Chemie - International Edition, 2021, 60, 122-141.	7.2	64
123	The synthesis and characterization of carbon nano-onions produced by solution ozonolysis. Carbon, 2011, 49, 5079-5089.	5.4	63
124	Preparation and Characterization of Composites that Contain Small Carbon Nanoâ€Onions and Conducting Polyaniline. Chemistry - A European Journal, 2012, 18, 2600-2608.	1.7	63
125	A diuranium carbide cluster stabilized inside a C80 fullerene cage. Nature Communications, 2018, 9, 2753.	5.8	63
126	A New Dyad Based on C60and a Conjugated Dimethylaniline-Substituted Dithienylethylene Donor. Journal of Organic Chemistry, 1999, 64, 4884-4886.	1.7	62

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127	Evidence for cryptand-like behavior in bibracchial lariat ether (BiBLE) complexes obtained from x-ray crystallography and solution thermodynamic studies. Journal of the American Chemical Society, 1987, 109, 3716-3721.	6.6	60
128	Intramolecular Electronic Interactions in Conjugated Ferroceneâ^Ï€-Extended-Tetrathiafulvalene Donor-Ï€-Donor Molecular Hybrids. Journal of Organic Chemistry, 2000, 65, 9092-9102.	1.7	60
129	Synthesis of carbon nano-onion and nickel hydroxide/oxide composites as supercapacitor electrodes. RSC Advances, 2013, 3, 25891.	1.7	60
130	Improved Performance and Stability of Inverted Planar Perovskite Solar Cells Using Fulleropyrrolidine Layers. ACS Applied Materials & Interfaces, 2016, 8, 31426-31432.	4.0	60
131	Cryptatium: A Species of Expanded Atom/Radical Ion Pair Type from Electroreductive Crystallization of the Macrobicyclic Sodium Tris(Bipyridine) Cryptate. Angewandte Chemie International Edition in English, 1991, 30, 838-840.	4.4	59
132	Rapid Removal ofD5hIsomer Using the â€œStir and Filter Approachâ€•and Isolation of Large Quantities of Isomerically Pure Sc3N@C80Metallic Nitride Fullerenes. Journal of the American Chemical Society, 2007, 129, 6072-6073.	6.6	59
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