Luis Echegoyen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

401 papers	19,327 citations	76 h-index	114 g-index
433 ext. papers	20,707 ext. citations	7.8 avg, IF	6.68 L-index

#	Paper	IF	Citations
401	Polymeric Network Hierarchically Organized on Carbon Nano-onions: Block Polymerization as a Tool for the Controlled Formation of Specific Pore Diameters.. *ACS Applied Polymer Materials*, **2022**, 4, 2442-2458	4.3	0
400	Fullerene Derivatives Prevent Packaging of Viral Genomic RNA into HIV-1 Particles by Binding Nucleocapsid Protein.. *Viruses*, **2021**, 13,	6.2	1
399	Linking the Defective Structure of Boron-Doped Carbon Nano-Onions with Their Catalytic Properties: Experimental and Theoretical Studies. *ACS Applied Materials & Interfaces*, **2021**, 13, 51628-51642	8.5	
398	Carbon Nano-onions: Potassium Intercalation and Reductive Covalent Functionalization. *Journal of the American Chemical Society*, **2021**, 143, 18997-19007	16.4	0
397	Scientific collaboration for a better, more sustainable tomorrow. *National Science Review*, **2021**, 8, nwab035	23.178	
396	Co-Cu Bimetallic Metal Organic Framework Catalyst Outperforms the Pt/C Benchmark for Oxygen Reduction. *Journal of the American Chemical Society*, **2021**, 143, 4064-4073	16.4	44
395	A New Class of Molecular Electrocatalysts for Hydrogen Evolution: Catalytic Activity of MN@C (2 = 68, 78, and 80) Fullerenes. *Journal of the American Chemical Society*, **2021**, 143, 6037-6042	16.4	15
394	Characterization of a strong covalent Th-Th bond inside an I(7)-C fullerene cage. *Nature Communications*, **2021**, 12, 2372	17.4	11
393	Glucose oxidation reaction at palladium-carbon nano-onions in alkaline media. *Journal of Solid State Electrochemistry*, **2021**, 25, 207-217	2.6	3
392	Fullerenes as Key Components for Low-Dimensional (Photo)electrocatalytic Nanohybrid Materials. *Angewandte Chemie - International Edition*, **2021**, 60, 122-141	16.4	19
391	Efficient and stable inverted perovskite solar cells enabled by inhibition of self-aggregation of fullerene electron-transporting compounds. *Science Bulletin*, **2021**, 66, 339-346	10.6	11
390	A Nanocomposite Containing Carbon Nano-onions and Polyaniline Nanotubes as a Novel Electrode Material for Electrochemical Sensing of Daidzein. *Electroanalysis*, **2021**, 33, 1107-1114	3	1
389	Multicolor Fluorescent Graphene Oxide Quantum Dots for Sensing Cancer Cell Biomarkers. *ACS Applied Nano Materials*, **2021**, 4, 211-219	5.6	5
388	Fullerenes as Key Components for Low-Dimensional (Photo)electrocatalytic Nanohybrid Materials. *Angewandte Chemie*, **2021**, 133, 124-143	3.6	7
387	Fullerenes and their applications **2021**, 19-158		
386	UCN@(6)-C: An Encapsulated Triangular UCN Cluster with Ambiguous U Oxidation State [U(III) versus U(I)]. *Journal of the American Chemical Society*, **2021**, 143, 16226-16234	16.4	4
385	Crystallographic Characterization of U@C (2 = 82-86): Insights about Metal-Cage Interactions for Mono-metallofullerenes. *Journal of the American Chemical Society*, **2021**, 143, 15309-15318	16.4	4

384	Tuning the Intermolecular Electron Transfer of Low-Dimensional and Metal-Free BCN/C Electrocatalysts via Interfacial Defects for Efficient Hydrogen and Oxygen Electrochemistry. *Journal of the American Chemical Society*, **2021**, 143, 1203-1215	16.4	54
383	The role of fullerene derivatives in perovskite solar cells: electron transporting or electron extraction layers?. *Journal of Materials Chemistry C*, **2021**, 9, 10759-10767	7.1	7
382	ScN@ -C based donor-acceptor conjugate: role of thiophene spacer in promoting ultrafast excited state charge separation.. *RSC Advances*, **2020**, 10, 19861-19866	3.7	2
381	Nanostructural catalyst: metallophthalocyanine and carbon nano-onion with enhanced visible-light photocatalytic activity towards organic pollutants.. *RSC Advances*, **2020**, 10, 10910-10920	3.7	5
380	Interconversions between Uranium Mono-metallofullerenes: Mechanistic Implications and Role of Asymmetric Cages. *Journal of the American Chemical Society*, **2020**, 142, 13112-13119	16.4	14
379	Crystallographic and spectroscopic characterization of a mixed actinide-lanthanide carbide cluster stabilized inside an I(7)-C fullerene cage. *Chemical Communications*, **2020**, 56, 3867-3870	5.8	12
378	In Situ Aniline-Polymerized Interfaces on GO PVA Nanoplatforms as Bifunctional Supercapacitors and pH-Universal ORR Electrodes. *ACS Applied Energy Materials*, **2020**, 3, 4727-4737	6.1	9
377	Facile synthesis of C60-nano materials and their application in high-performance water splitting electrocatalysis. *Sustainable Energy and Fuels*, **2020**, 4, 2900-2906	5.8	8
376	Sc3N@C80 and La@C82 doped graphene for a new class of optoelectronic devices. *Journal of Materials Chemistry C*, **2020**, 8, 3970-3981	7.1	15
375	Chemical Reactions of Cationic Metallofullerenes: An Alternative Route for Exohedral Functionalization. *Chemistry - A European Journal*, **2020**, 26, 1748-1753	4.8	9
374	Carbon Nano-Onion and Zinc Oxide Composites as an Electron Transport Layer in Inverted Organic Solar Cells. *ChemNanoMat*, **2020**, 6, 248-257	3.5	2
373	Single-Molecule Transport of Fullerene-Based Curcuminoids. *Journal of Physical Chemistry C*, **2020**, 124, 2698-2704	3.8	5
372	Tailoring the Interfacial Interactions of van der Waals 1T-MoS/C Heterostructures for High-Performance Hydrogen Evolution Reaction Electrocatalysis. *Journal of the American Chemical Society*, **2020**, 142, 17923-17927	16.4	53
371	High blocking temperatures for DyScS endohedral fullerene single-molecule magnets. *Chemical Science*, **2020**, 11, 13129-13136	9.4	6
370	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	16.4	115
369	DTC Fullerene Performs Significantly Better than DTC as Electron Transporting Material in Perovskite Solar Cells. *Journal of Materials Chemistry C*, **2020**, 8, 6813-6819	7.1	2
368	UN@ (7)-C: fullerene cage encapsulating an unsymmetrical U(iv)[double bond, length as m-dash]N[double bond, length as m-dash]U(v) cluster. *Chemical Science*, **2020**, 12, 282-292	9.4	12
367	Correlation between the catalytic and electrocatalytic properties of nitrogen-doped carbon nanoonions and the polarity of the carbon surface: Experimental and theoretical investigations. *Carbon*, **2019**, 151, 120-129	10.4	7

366	Dramatic Enhancement of Optoelectronic Properties of Electrophoretically Deposited C-Graphene Hybrids. *ACS Applied Materials & Interfaces*, **2019**, 11, 24349-24359	9.5	18
365	Enhanced Open-Circuit Voltage in Perovskite Solar Cells with Open-Cage [60]Fullerene Derivatives as Electron-Transporting Materials. *Materials*, **2019**, 12,	3.5	8
364	Zinc Porphyrin-Functionalized Fullerenes for the Sensitization of Titania as a Visible-Light Active Photocatalyst: River Waters and Wastewaters Remediation. *Molecules*, **2019**, 24,	4.8	23
363	Small Cage Uranofullerenes: 27 Years after Their First Observation. *Helvetica Chimica Acta*, **2019**, 102, e1900046	2	1
362	Mechanical Synthesis of Fullerene-Graphene/Morphed Graphene Architectures. *Microscopy and Microanalysis*, **2019**, 25, 844-845	0.5	1
361	Variation of Interfacial Interactions in PCBM-like Electron-Transporting Compounds for Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 34408-34415	9.5	25
360	Integration of Fullerenes as Electron Acceptors in 3D Graphene Networks: Enhanced Charge Transfer and Stability through Molecular Design. *ACS Applied Materials & Interfaces*, **2019**, 11, 28818-28822	9.5	8
359	Carbon nanoonion-ferrocene conjugates as acceptors in organic photovoltaic devices. *Nanoscale Advances*, **2019**, 1, 3164-3176	5.1	6
358	Fullerenes as Nanocontainers That Stabilize Unique Actinide Species Inside: Structures, Formation, and Reactivity. *Accounts of Chemical Research*, **2019**, 52, 1824-1833	24.3	42
357	Th@C(11)-C: an actinide encapsulated in an unexpected C fullerene cage. *Chemical Communications*, **2019**, 55, 9271-9274	5.8	24
356	Onion-Like Carbon Nanostructures: An Overview of Bio-Applications. *Current Medicinal Chemistry*, **2019**, 26, 6896-6914	4.3	4
355	Highly selective encapsulation and purification of U-based C-EMFs within a supramolecular nanocapsule. *Nanoscale*, **2019**, 11, 23035-23041	7.7	9
354	Diuranium(IV) Carbide Cluster UC Stabilized Inside Fullerene Cages. *Journal of the American Chemical Society*, **2019**, 141, 20249-20260	16.4	27
353	Progress in fullerene-based hybrid perovskite solar cells. *Journal of Materials Chemistry C*, **2018**, 6, 2635-2651	7.1	89
352	U@ I (7)-C: Crystallographic Characterization of a Long-Sought Dimetallic Actinide Endohedral Fullerene. *Journal of the American Chemical Society*, **2018**, 140, 3907-3915	16.4	68
351	Synthesis of novel light harvesters based on perylene imides linked to triphenylamines for Dyes Sensitized Solar Cells. *Dyes and Pigments*, **2018**, 153, 182-188	4.6	13
350	Fullerene derivative with a branched alkyl chain exhibits enhanced charge extraction and stability in inverted planar perovskite solar cells. *New Journal of Chemistry*, **2018**, 42, 2896-2902	3.6	31
349	Purification of Uranium-based Endohedral Metallofullerenes (EMFs) by Selective Supramolecular Encapsulation and Release. *Angewandte Chemie*, **2018**, 130, 11464-11469	3.6	7

348	New thiophene-based C fullerene derivatives as efficient electron transporting materials for perovskite solar cells. *New Journal of Chemistry*, **2018**, 42, 14551-14558	3.6	24
347	A diuranium carbide cluster stabilized inside a C fullerene cage. *Nature Communications*, **2018**, 9, 2753	17.4	47
346	Purification of Uranium-based Endohedral Metallofullerenes (EMFs) by Selective Supramolecular Encapsulation and Release. *Angewandte Chemie - International Edition*, **2018**, 57, 11294-11299	16.4	45
345	Synthesis and Characterization of Non-Isolated-Pentagon-Rule Actinide Endohedral Metallofullerenes U@ C(17418)-C, U@ C(28324)-C, and Th@ C(28324)-C: Low-Symmetry Cage Selection Directed by a Tetravalent Ion. *Journal of the American Chemical Society*, **2018**, 140, 18039-18050	16.4	56
344	A new family of fullerene derivatives: Fullerene-curcumin conjugates for biological and photovoltaic applications. *RSC Advances*, **2018**, 8, 41692-41698	3.7	15
343	Nanoforest: Polyaniline Nanotubes Modified with Carbon Nano-Onions as a Nanocomposite Material for Easy-to-Miniaturize High-Performance Solid-State Supercapacitors. *Polymers*, **2018**, 10,	4.5	13
342	Three-Dimensional Graphene Nanostructures. *Journal of the American Chemical Society*, **2018**, 140, 9341-9345	13.4	70
341	A Copper-based Supramolecular Nanocapsule that Enables Straightforward Purification of Sc N-based Endohedral Metallofullerene Soots. *Chemistry - A European Journal*, **2017**, 23, 3553-3557	4.8	15
340	A dimeric fullerene derivative for efficient inverted planar perovskite solar cells with improved stability. *Journal of Materials Chemistry A*, **2017**, 5, 7326-7332	13	45
339	A new perspective on carbon nano-onion/nickel hydroxide/oxide composites: Physicochemical properties and application in hybrid electrochemical systems. *Fullerenes Nanotubes and Carbon Nanostructures*, **2017**, 25, 193-203	1.8	7
338	Fingerprints of Through-Bond and Through-Space Exciton and Charge Electron Delocalization in Linearly Extended [2.2]Paracyclophanes. *Journal of the American Chemical Society*, **2017**, 139, 3095-3105	16.4	28
337	Improvement of the Structural and Chemical Properties of Carbon Nano-onions for Electrocatalysis. *ChemNanoMat*, **2017**, 3, 583-590	3.5	16
336	Single crystal structures and theoretical calculations of uranium endohedral metallofullerenes (U@ , 2 = 74, 82) show cage isomer dependent oxidation states for U. *Chemical Science*, **2017**, 8, 5282-5290	9.4	54
335	Endohedral fullerenes: Synthesis, isolation, mono- and bis-functionalization. *Inorganica Chimica Acta*, **2017**, 468, 16-27	2.7	29
334	Boron-Doped Polygonal Carbon Nano-Onions: Synthesis and Applications in Electrochemical Energy Storage. *Chemistry - A European Journal*, **2017**, 23, 7132-7141	4.8	27
333	Enhanced Photocatalytic Performance of Porphyrin/Phthalocyanine and Bis(4-pyridyl)pyrrolidinofullerene modified Titania. *ChemistrySelect*, **2017**, 2, 2462-2470	1.8	9
332	Regiochemically Controlled Synthesis of a 4- [70]Fullerene Bis-Adduct. *Journal of Organic Chemistry*, **2017**, 82, 893-897	4.2	6
331	Transformation of doped graphite into cluster-encapsulated fullerene cages. *Nature Communications*, **2017**, 8, 1222	17.4	17

330	Cove-Edge Nanoribbon Materials for Efficient Inverted Halide Perovskite Solar Cells. *Angewandte Chemie*, **2017**, 129, 14840-14844	3.6	13
329	Cove-Edge Nanoribbon Materials for Efficient Inverted Halide Perovskite Solar Cells. *Angewandte Chemie - International Edition*, **2017**, 56, 14648-14652	16.4	40
328	Impact of fullerene derivative isomeric purity on the performance of inverted planar perovskite solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 19485-19490	13	25
327	Hybrid Zero-Dimensional C60 clusters with Graphene Synthesis, Fabrication and Transport Characteristics. *MRS Advances*, **2017**, 2, 3727-3732	0.7	
326	Charge Transport through a Single Molecule of trans-1-bis-Diazofluorene [60]fullerene. *Chemistry of Materials*, **2017**, 29, 7305-7312	9.6	2
325	Dimerization of Endohedral Fullerene in a Superatomic Crystal. *Chemistry - A European Journal*, **2017**, 23, 13305-13308	4.8	11
324	Unusual C -Symmetric trans-1-(Bis-pyrrolidine)-tetra-malonate Hexa-Adducts of C : The Unexpected Regio- and Stereocontrol Mediated by Malonate-Pyrrolidine Interaction. *Chemistry - A European Journal*, **2017**, 23, 15937-15944	4.8	4
323	Decakis(arylthio)corannulenes: Transferable Photochemical and Redox Parameters and Photovoltaic Device Performance. *European Journal of Organic Chemistry*, **2017**, 2017, 4338-4342	3.2	13
322	Fullerenes in Biology and Medicine. *Journal of Materials Chemistry B*, **2017**, 5, 6523-6535	7.3	172
321	Endohedral Clusterfullerenes: Future Perspectives. *ECS Journal of Solid State Science and Technology*, **2017**, 6, M3031-M3034	2	1
320	Chronoamperometric Study of Ammonia Oxidation in a Direct Ammonia Alkaline Fuel Cell under the Influence of Microgravity. *Microgravity Science and Technology*, **2017**, 29, 253-261	1.6	7
319	Carbon nano-onion composites: Physicochemical characteristics and biological activity. *Fullerenes Nanotubes and Carbon Nanostructures*, **2017**, 25, 185-192	1.8	17
318	Reactivity differences of Sc3N@C(2n) (2n = 68 and 80). Synthesis of the first methanofullerene derivatives of Sc3N@D(5h)-C80. *Chemical Communications*, **2016**, 52, 64-7	5.8	25
317	High photo-current in solution processed organic solar cells based on a porphyrin core A-D-A as electron donor material. *Organic Electronics*, **2016**, 38, 330-336	3.5	13
316	Electron spin resonance spectroscopy of empty and endohedral fullerenes. *Journal of Physical Organic Chemistry*, **2016**, 29, 781-792	2.1	3
315	Fullerene Derivatives Strongly Inhibit HIV-1 Replication by Affecting Virus Maturation without Impairing Protease Activity. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 5731-41	5.9	51
314	Characterization of New Cationic N,N-Dimethyl[70]fulleropyrrolidinium Iodide Derivatives as Potent HIV-1 Maturation Inhibitors. *Journal of Medicinal Chemistry*, **2016**, 59, 10963-10973	8.3	19
313	Improved Performance and Stability of Inverted Planar Perovskite Solar Cells Using Fulleropyrrolidine Layers. *ACS Applied Materials & Interfaces*, **2016**, 8, 31426-31432	9.5	52

312	Recent progress in the synthesis of regio-isomerically pure bis-adducts of empty and endohedral fullerenes. *Journal of Physical Organic Chemistry*, **2016**, 29, 613-619	2.1	19
311	The Regioselectivity of Bingel-Hirsch Cycloadditions on Isolated Pentagon Rule Endohedral Metallofullerenes. *Angewandte Chemie - International Edition*, **2016**, 55, 2374-7	16.4	28
310	Electric properties of carbon nano-onion/polyaniline composites: a combined electric modulus and ac conductivity study. *Journal Physics D: Applied Physics*, **2016**, 49, 285305	3	31
309	Tethered bis-pyrrolidine additions to C70: Some unexpected and new regioisomers. *Carbon*, **2016**, 105, 394-400	10.4	8
308	Zigzag ScC Carbide Cluster inside a [88]Fullerene Cage with One Heptagon, ScC@C(hept)-C: A Kinetically Trapped Fullerene Formed by C Insertion?. *Journal of the American Chemical Society*, **2016**, 138, 13030-13037	16.4	70
307	Selective CO2 adsorption in a porphyrin polymer with benzimidazole linkages. *RSC Advances*, **2015**, 5, 10960-10963	3.7	23
306	Reactive Carbon Nano-Onion Modified Glassy Carbon Surfaces as DNA Sensors for Human Papillomavirus Oncogene Detection with Enhanced Sensitivity. *Analytical Chemistry*, **2015**, 87, 6744-51	7.8	64
305	Beyond the Butterfly: Sc2C2@C(2v)(9)-C86, an Endohedral Fullerene Containing a Planar, Twisted Sc2C2 Unit with Remarkable Crystalline Order in an Unprecedented Carbon Cage. *Journal of the American Chemical Society*, **2015**, 137, 10116-9	16.4	52
304	New organic dyes with high IPCE values containing two triphenylamine units as co-donors for efficient dye-sensitized solar cells. *RSC Advances*, **2015**, 5, 60823-60830	3.7	10
303	On-off switch of charge-separated states of pyridine-vinylene-linked porphyrin-C conjugates detected by EPR. *Chemical Science*, **2015**, 6, 5994-6007	9.4	21
302	New acceptor–porphyrin–acceptor systems for solution-processed small molecule organic solar cells. *Dyes and Pigments*, **2015**, 121, 109-117	4.6	30
301	Organic solar cells based on bowl-shaped small-molecules. *RSC Advances*, **2015**, 5, 31541-31546	3.7	8
300	High and selective CO2 adsorption by a phthalocyanine nanoporous polymer. *Journal of Materials Chemistry A*, **2015**, 3, 10284-10288	13	44
299	Chemical versus electrochemical synthesis of carbon nano-onion/polypyrrole composites for supercapacitor electrodes. *Chemistry - A European Journal*, **2015**, 21, 5783-93	4.8	45
298	Bidirectional Electron Transfer Capability in Phthalocyanine-Sc3N@I(h)-C80 Complexes. *Journal of the American Chemical Society*, **2015**, 137, 12914-22	16.4	34
297	Combined high permittivity and high electrical conductivity of carbon nano-onion/polyaniline composites. *Synthetic Metals*, **2015**, 209, 583-587	3.6	20
296	Temperature-Dependent Polarization in Field-Effect Transport and Photovoltaic Measurements of Methylammonium Lead Iodide. *Journal of Physical Chemistry Letters*, **2015**, 6, 3565-71	6.4	89
295	Bis-1,3-dipolar Cycloadditions on Endohedral Fullerenes M3N@Ih-C80 (M = Sc, Lu): Remarkable Endohedral-Cluster Regiochemical Control. *Journal of the American Chemical Society*, **2015**, 137, 11775-82	16.4	28

294	Supramolecular solubilization of cyclodextrin-modified carbon nano-onions by host-guest interactions. *Langmuir*, **2015**, 31, 535-41	4	30
293	Zn(II)-porphyrin dyes with several electron acceptor groups linked by vinyl-fluorene or vinyl-thiophene spacers for dye-sensitized solar cells. *Dyes and Pigments*, **2015**, 112, 127-137	4.6	20
292	Multi-Functionalized Carbon Nano-onions as Imaging Probes for Cancer Cells. *Chemistry - A European Journal*, **2015**, 21, 19071-80	4.8	55
291	Tether-directed bisfunctionalization reactions of c60 and c70. *Chemistry - A European Journal*, **2015**, 21, 7881-5	4.8	18
290	Synthesis and Characterization of Far-Red/NIR-Fluorescent BODIPY Dyes, Solid-State Fluorescence, and Application as Fluorescent Tags Attached to Carbon Nano-onions. *Chemistry - A European Journal*, **2015**, 21, 9727-32	4.8	42
289	Influence of the Synthetic Conditions on the Structural and Electrochemical Properties of Carbon Nano-Onions. *ChemPhysChem*, **2015**, 16, 2182-91	3.2	22
288	Low-Energy-Gap Organic Based Acceptor□Donor□Acceptor □Conjugated Small Molecules for Bulk-Heterojunction Organic Solar Cells. *European Journal of Organic Chemistry*, **2015**, 2015, 4629-4634	3.2	9
287	Impact of Carbon Nano-Onions on as a Model Organism for Nanoecotoxicology. *Nanomaterials*, **2015**, 5, 1331-1350	5.4	44
286	Synthesis of a Polyimide Porous Porphyrin Polymer for Selective CO2Capture. *Journal of Chemistry*, **2015**, 2015, 1-7	2.3	6
285	Tethered bisadducts of C60 and C70 with addends on a common hexagonal face and a 12-membered hole in the fullerene cage. *Journal of the American Chemical Society*, **2015**, 137, 7502-8	16.4	46
284	Non-covalent functionalization of carbon nano-onions with pyrene□BODIPY dyads for biological imaging. *RSC Advances*, **2015**, 5, 50253-50258	3.7	41
283	Characterization and analysis of structural and optical properties of perovskite thin films **2015**,		1
282	Synthesis of a benzothiazole nanoporous polymer for selective CO2 adsorption. *RSC Advances*, **2014**, 4, 9669	3.7	24
281	Organic dyes containing 2-(1,1-dicyanomethylene)rhodanine as an efficient electron acceptor and anchoring unit for dye-sensitized solar cells. *Dyes and Pigments*, **2014**, 107, 9-14	4.6	25
280	NIR fluorescence labelled carbon nano-onions: synthesis, analysis and cellular imaging. *Journal of Materials Chemistry B*, **2014**, 2, 7459-7463	7.3	62
279	Anion radicals of isomeric [5,6] and [6,6] benzoadducts of Sc3N@C80: remarkable differences in endohedral cluster spin density and dynamics. *Journal of the American Chemical Society*, **2014**, 136, 13436-41	16.4	14
278	Geometric influence on intramolecular photoinduced electron transfer in platinum(II) acetylide-linked donor-acceptor assemblies. *Chemistry - A European Journal*, **2014**, 20, 11111-9	4.8	5
277	Boron dipyrromethene (BODIPY) functionalized carbon nano-onions for high resolution cellular imaging. *Nanoscale*, **2014**, 6, 13761-9	7.7	62

276	Post-modification by low-temperature annealing of carbon nano-onions in the presence of carbohydrates. *Carbon*, **2014**, 67, 304-317	10.4	29
275	Electrochemical Properties of Endohedral Metallofullerenes **2014**, 253-279		
274	Design, synthesis, and X-ray crystal structure of a fullerene-linked metal-organic framework. *Angewandte Chemie - International Edition*, **2014**, 53, 160-3	16.4	46
273	Carbon nano-onions and biocompatible polymers for flavonoid incorporation. *Chemistry - A European Journal*, **2013**, 19, 5019-24	4.8	15
272	An efficient method to separate Sc3N@C80 Ih and D5h isomers and Sc3N@C78 by selective oxidation with acetylferrocenium [Fe(COCH3C5H4)Cp]+. *Chemistry - A European Journal*, **2013**, 19, 7410-5	4.8	28
271	Relevance of thermal effects in the formation of endohedral metallofullerenes: the case of Gd3N@C(s)(39663)-C82 and other related systems. *Inorganic Chemistry*, **2013**, 52, 1954-9	5.1	21
270	Selective CO2 capture in an imine linked porphyrin porous polymer. *Polymer Chemistry*, **2013**, 4, 4566	4.9	82
269	Ti2S@D3h(24109)-C78: a sulfide cluster metallofullerene containing only transition metals inside the cage. *Chemical Science*, **2013**, 4, 3404	9.4	34
268	Synthesis of a phthalocyanine 2D covalent organic framework. *CrystEngComm*, **2013**, 15, 7157	3.3	30
267	Carbon nano-onions for supercapacitor electrodes: recent developments and applications. *Journal of Materials Chemistry A*, **2013**, 1, 13703	13	101
266	Synthesis of a phthalocyanine and porphyrin 2D covalent organic framework. *CrystEngComm*, **2013**, 15, 6892	3.3	35
265	Solvothermal synthesis and crystal structure of a 3-D hexagonal metal-porphyrin coordination network. *Journal of Coordination Chemistry*, **2013**, 66, 3193-3198	1.6	8
264	Synthesis of carbon nano-onion and nickel hydroxide/oxide composites as supercapacitor electrodes. *RSC Advances*, **2013**, 3, 25891	3.7	48
263	Preparation and characterization of soluble carbon nano-onions by covalent functionalization, employing a Na-K alloy. *Chemical Communications*, **2013**, 49, 2406-8	5.8	39
262	STM-based molecular junction of carbon nano-onion. *ChemPhysChem*, **2013**, 14, 96-100	3.2	29
261	The electrochemical properties of nanocomposite films obtained by chemical in situ polymerization of aniline and carbon nanostructures. *ChemPhysChem*, **2013**, 14, 116-24	3.2	25
260	High yield synthesis of a new fullerene linker and its use in the formation of a linear coordination polymer by silver complexation. *Chemical Communications*, **2013**, 49, 3209-11	5.8	33
259	Spin Density and Cluster Dynamics in Sc3N@C80 upon [5,6] Exohedral Functionalization: An ESR and DFT Study. *Journal of Physical Chemistry C*, **2013**, 117, 2344-2348	3.8	29

258	Comparison of the electrochemical properties of thin films of MWCNTs/C60-Pd, SWCNTs/C60-Pd and ox-CNOs/C60-Pd. *Electrochimica Acta*, **2013**, 96, 274-284	6.7	30
257	A single crystal X-ray diffraction study of a fully ordered cocrystal of pristine Sc3N@D3h(5)C78. *Polyhedron*, **2013**, 58, 129-133	2.7	7
256	Sc2S@C2(7892)C70: a metallic sulfide cluster inside a non-IPR C70 cage. *Chemical Science*, **2013**, 4, 180-186	9.4	70
255	Surface-grafting of ground rubber tire by poly acrylic acid via self-initiated free radical polymerization and composites with epoxy thereof. *Polymer Composites*, **2013**, 34, 769-777	3	10
254	Synthesis and derivatization of expanded [n]radialenes (n=3, 4). *Chemistry - A European Journal*, **2013**, 19, 15120-32	4.8	6
253	Unexpected Isomerism in cis-2 Bis(pyrrolidino)[60]Fullerene Diastereomers. *Angewandte Chemie*, **2013**, 125, 13166-13169	3.6	9
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