

Carlos Romero Nieto

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,651
citations

236612

25
h-index

315357

38
g-index

66
all docs

66
docs citations

66
times ranked

1757
citing authors

#	ARTICLE	IF	CITATIONS
1	Low dimensional nanocarbons " chemistry and energy/electron transfer reactions. <i>Chemical Science</i> , 2013, 4, 4335.	3.7	102
2	Simple and Efficient Generation of White Light Emission From Organophosphorus Building Blocks. <i>Advanced Functional Materials</i> , 2009, 19, 3625-3631.	7.8	89
3	Paving the Way to Novel Phosphorus-Based Architectures: A...Noncatalyzed Protocol to Access Six-Membered Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15872-15875.	7.2	80
4	Tetrathiafulvalene-Based Nanotweezers"Noncovalent Binding of Carbon Nanotubes in Aqueous Media with Charge Transfer Implications. <i>Journal of the American Chemical Society</i> , 2012, 134, 9183-9192.	6.6	76
5	Dithieno[3,2-b:2',3'-d]phospholes: A Look Back at the First Decade. <i>Synlett</i> , 2013, 24, 920-937.	1.0	72
6	Dendrimeric Oligo(phenylenevinylene)-Extended Dithieno[3,2-b:2',3'-d]phospholes"Synthesis, Self-Organization, and Optical Properties. <i>Chemistry - A European Journal</i> , 2009, 15, 4135-4145.	1.7	59
7	Highlights on "systems based on six-membered phosphorus heterocycles. <i>Dalton Transactions</i> , 2018, 47, 10344-10359.	1.6	59
8	B(C ₆ F ₅) ₃ : A Lewis Acid that Brings the Light to the Solid State. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1196-1199.	7.2	52
9	Charge transfer interactions in self-assembled single walled carbon nanotubes/Dawson" Wells polyoxometalate hybrids. <i>Chemical Science</i> , 2014, 5, 4346-4354.	3.7	49
10	Inkjet-printed polymer-based electrochromic and electrofluorochromic dual-mode displays. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7121-7127.	2.7	48
11	Cyclopentadienylruthenium "Complexes of Subphthalocyanines: A "Drop-In" Approach To Modifying the Electronic Features of Aromatic Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11337-11342.	7.2	45
12	Integrating Water-Soluble Graphene into Porphyrin Nanohybrids. <i>Advanced Materials</i> , 2012, 24, 800-805.	11.1	43
13	Room Temperature Multifunctional Organophosphorus Gels and Liquid Crystals. <i>Advanced Functional Materials</i> , 2011, 21, 4088-4099.	7.8	42
14	Self-Ordering Electron Donor-Acceptor Nanohybrids Based on Single-Walled Carbon Nanotubes Across Different Scales. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2180-2184.	7.2	41
15	A Guide for the Design of Functional Polyaromatic Organophosphorus Materials. <i>Chemistry - A European Journal</i> , 2017, 23, 13919-13928.	1.7	41
16	Intramolecular Phosphacyclization: Polyaromatic Phosphonium "Heterocycles with Wide-Tuning Optical Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 6332-6341.	1.7	38
17	Subphthalocyanine-polymethine cyanine conjugate: an all organic panchromatic light harvester that reveals charge transfer. <i>Journal of Materials Chemistry</i> , 2011, 21, 15914.	6.7	37
18	Phosphaphenalenenes: An Evolution of the Phosphorus Heterocycles. <i>Synlett</i> , 2016, 27, 2293-2300.	1.0	34

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19	Stable Electron Donor–Acceptor Nanohybrids by Interfacing <i>n</i> -Type TCAQ with <i>p</i> -Type Single-Walled Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10216-10220.	7.2	32
20	Diphosphahexaarenes as Highly Fluorescent and Stable Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15157-15161.	7.2	29
21	Host–Guest Complexation of [60]Fullerenes and Porphyrins Enabled by “Click Chemistry”. <i>Chemistry - A European Journal</i> , 2013, 19, 11374-11381.	1.7	28
22	Controlling the crystalline three-dimensional order in bulk materials by single-wall carbon nanotubes. <i>Nature Communications</i> , 2014, 5, 3763.	5.8	28
23	From Phosphaphenalenenes to Diphosphahexaarenes: An Overview of Linearly Fused Six-Membered Phosphorus Heterocycles. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1519-1528.	1.0	27
24	Electroactive carbon nanoforms: a comparative study via sequential arylation and click chemistry reactions. <i>Nanoscale</i> , 2015, 7, 1193-1200.	2.8	26
25	Synthesis and Photophysical Properties of Donor–Acceptor Dithienophospholes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5225-5231.	1.2	25
26	Towards enhancing light harvesting—subphthalocyanines as electron acceptors. <i>Chemical Communications</i> , 2012, 48, 4953.	2.2	25
27	Ultrafast Photoinduced Processes in Subphthalocyanine Electron Donor–Acceptor Conjugates Linked by a Single N Bond. <i>Organic Letters</i> , 2012, 14, 5656-5659.	2.4	23
28	Dismantling the Hyperconjugation of π -Conjugated Phosphorus Heterocycles. <i>Chemistry - A European Journal</i> , 2019, 25, 9035-9044.	1.7	22
29	Soft Electronic Platforms Combining Elastomeric Stretchability and Biodegradability. <i>Advanced Sustainable Systems</i> , 2022, 6, 2100035.	2.7	21
30	Highly luminescent terpyridinyl-ethynyl functionalized dithieno[3,2- <i>b</i> :2',3'- <i>d</i>]phospholes: synthesis, properties and complexation behavior. <i>Dalton Transactions</i> , 2010, 39, 1250-1260.	1.6	19
31	Concave versus Planar Geometries for the Hierarchical Organization of Mesoscopic 3D Helical Fibers. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3857-3861.	7.2	19
32	Lighting with organophosphorus materials: solution-processed blue/cyan light-emitting devices based on phosphaphenalenenes. <i>Dalton Transactions</i> , 2019, 48, 7503-7508.	1.6	19
33	Interfacing Nanocarbons with Organic and Inorganic Semiconductors: From Nanocrystals/Quantum Dots to Extended Tetrathiafulvalenes. <i>Langmuir</i> , 2012, 28, 11662-11675.	1.6	18
34	Synthesis of Blue-Luminescent Seven-Membered Phosphorus Heterocycles. <i>Journal of Organic Chemistry</i> , 2020, 85, 1247-1252.	1.7	18
35	Design of organophosphorus materials for organic electronics and bio-applications. <i>Materials Today Chemistry</i> , 2021, 22, 100604.	1.7	18
36	Quaternized Pyridyloxy Phthalocyanines Render Aqueous Electron-Donor Carbon Nanotubes as Unprecedented Supramolecular Materials for Energy Conversion. <i>Advanced Functional Materials</i> , 2015, 25, 7418-7427.	7.8	16

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37	Ruthenoarenes versus Phenol Derivatives as Axial Linkers for Subporphyrine Dimers and Trimers. Chemistry - A European Journal, 2014, 20, 6518-6525.	1.7	15
38	Intramolecular S _E Ar Reactions of Phosphorus Compounds: Computational Approach to the Synthesis of π -Extended Heterocycles. Chemistry - A European Journal, 2017, 23, 17487-17496.	1.7	14
39	Electrical and optical properties of reduced graphene oxide thin film deposited onto polyethylene terephthalate by spin coating technique. Applied Optics, 2017, 56, 7774.	0.9	14
40	Diphosphahexaarenes as Highly Fluorescent and Stable Materials. Angewandte Chemie, 2018, 130, 15377-15381.	1.6	14
41	Organophosphorus-B(C ₆ F ₅) ₃ adducts: towards new solid-state emitting materials. Dalton Transactions, 2019, 48, 12803-12807.	1.6	13
42	Phosphorus Post-Functionalization of Diphosphahexaarenes. Chemistry - A European Journal, 2019, 25, 13146-13151.	1.7	12
43	Electrochemical synthesis and spectroelectrochemical characterization of triazole/thiophene conjugated polymers. Electrochimica Acta, 2011, 58, 215-222.	2.6	10
44	Control of Surface Functionality in Poly(phenylenevinylene) Dendritic Architectures. Journal of Organic Chemistry, 2007, 72, 3847-3852.	1.7	9
45	En Route Towards the Control of Luminescent, Optically Active 3D Architectures. Angewandte Chemie - International Edition, 2021, 60, 766-773.	7.2	9
46	Stable Electron Donor-Acceptor Nanohybrids by Interfacing <i>n</i> -Type TCAQ with <i>p</i> -Type Single-Walled Carbon Nanotubes. Angewandte Chemie, 2013, 125, 10406-10410.	1.6	8
47	Gold(<i>scp</i>) complexes based on six-membered phosphorus heterocycles as bio-active molecules against brain cancer. Chemical Communications, 2020, 56, 14593-14596.	2.2	6
48	Modulation of waveguide behaviour of an ICT 2H-Benzo[d][1,2,3]Triazole derivative with graphene. Organic Electronics, 2019, 68, 1-8.	1.4	5
49	Controlling the molecular arrangement of racemates through weak interactions: the synergy between π -interactions and halogen bonds. Chemical Communications, 2021, 57, 7366-7369.	2.2	5
50	Luminescent Pyrrole-Based Phosphaphenylene Gold Complexes: A Versatile Anticancer Tool with a Wide Applicability. Chemistry - A European Journal, 2022, , .	1.7	5
51	Hin zur Kontrolle lumineszenter, optisch aktiver 3D-Architekturen. Angewandte Chemie, 2021, 133, 777-785.	1.6	4
52	Luminescent Pyrrole-Based Phosphaphenylene Gold Complexes: Versatile Anticancer Tools with Wide Applicability. Chemistry - A European Journal, 2022, 28, .	1.7	4
53	Photoresponsive organophosphorus materials based on six- and seven-membered phosphorus heterocycles. Photochemistry, 2020, , 376-410.	0.2	2
54	Extraction of 2 ^o -apiosyl-6 ^o -crotonic acid-betanin from the ayrampo seed (Opuntia soehrensii) cuticle and its use as an emitting layer in an organic light-emitting diode. RSC Advances, 2020, 10, 36695-36703.	1.7	1

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55	Frontispiece: Intramolecular S _E Ar Reactions of Phosphorus Compounds: Computational Approach to the Synthesis of Extended Heterocycles. Chemistry - A European Journal, 2017, 23, .	1.7	0