Dolores Perez

List of Publications by Year
in descending order

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87 papers	4,383 citations	87888 38 h-index	110387 64 g-index
113 all docs	113 docs citations	113 times ranked	2992 citing authors

#	Article	IF	Citations
1	Toward 2-Thiophyne: Ketocarbene versus Hetaryne Intermediates from 2-(Trimethylsilyl)thiophen-3-yl Triflate. Organic Letters, 2021, 23, 7376-7380.	4.6	1
2	From starphenes to non-benzenoid linear conjugated polymers by substrate templating. Nanoscale Advances, 2021, 3, 2351-2358.	4.6	4
3	Challenges in the synthesis of corannulene-based non-planar nanographenes on Au(111) surfaces. Physical Chemistry Chemical Physics, 2021, 23, 10845-10851.	2.8	2
4	An onâ€surface Dielsâ€“Alder reaction. Angewandte Chemie - International Edition, 2021, 60, 26346-26350.	13.8	9
5	An onâ€surface Dielsâ€Alder reaction. Angewandte Chemie, 2021, 133, 26550.	2.0	2
6	Dodecacene Generated on Surface: Reopening of the Energy Gap. ACS Nano, 2020, 14, 1011-1017.	14.6	93
7	Intramolecular Coupling of Terminal Alkynes by Atom Manipulation. Angewandte Chemie - International Edition, 2020, 59, 22989-22993.	13.8	15
8	2,6,10-Triphenylenotriyne: a star-shaped trisaryne. Chemical Communications, 2020, 56, 12853-12856.	4.1	8
9	Intramolecular Coupling of Terminal Alkynes by Atom Manipulation. Angewandte Chemie, 2020, 132, 23189-23193.	2.0	0
10	Synthesis of Nanographenes, Starphenes, and Sterically Congested Polyarenes by Aryne Cyclotrimerization. Accounts of Chemical Research, 2019, 52, 2472-2481.	15.6	109
11	Synthesis and reactivity of a trigonal porous nanographene on a gold surface. Chemical Science, 2019, 10, 10143-10148.	7.4	18
12	Revisiting Kekulene: Synthesis and Single-Molecule Imaging. Journal of the American Chemical Society, 2019, 141, 15488-15493.	13.7	54
13	Exploring a Route to Cyclic Acenes by Onâ€Surface Synthesis. Angewandte Chemie, 2019, 131, 9136-9140.	2.0	22
14	Exploring a Route to Cyclic Acenes by Onâ€Surface Synthesis. Angewandte Chemie - International Edition, 2019, 58, 9038-9042.	13.8	52
15	Effect of Central Ï€-System in Silylated-Tetraynes on Ïƒ-Bond Metathesis on Surfaces. Journal of Physical Chemistry C, 2018, 122, 6230-6235.	3.1	6
16	Site-selective reversible Dielsâ€“Alder reaction between a biphenylene-based polyarene and a semiconductor surface. Physical Chemistry Chemical Physics, 2018, 20, 11037-11046.	2.8	11
17	Cobalt-Mediated [2+2+2] Cycloadditions of Alkynes to BenzoÂ-[b]furans and Benzo[b]thiophenes: A Potential Route toward Morphanoids. Synthesis, 2018, 50, 1053-1089.	2.3	10
18	Microwave-induced covalent functionalization of few-layer graphene with arynes under solvent-free conditions. Chemical Communications, 2018, 54, 2086-2089.	4.1	29

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19	Studying an antiaromatic polycyclic hydrocarbon adsorbed on different surfaces. Nature Communications, 2018, 9, 1198.	12.8	42
20	Addressing Long-Standing Chemical Challenges by AFM with Functionalized Tips. Advances in Atom and Single Molecule Machines, 2018, , 209-227.	0.0	2
21	Controlled Fragmentation of Single Molecules with Atomic Force Microscopy by Employing Doubly Charged States. Physical Review Letters, 2018, 121, 226101.	7.8	7
22	[19]Dendriphene: A 19â€Ring Dendritic Nanographene. Chemistry - A European Journal, 2018, 24, 17697-17700.	3.3	14
23	Palladium-catalyzed cocyclotrimerization of arynes with a pyramidalized alkene. Chemical Communications, 2018, 54, 5996-5999.	4.1	8
24	Hexacene generated on passivated silicon. Nanoscale, 2018, 10, 12582-12587.	5.6	7
25	Electronic Resonances and Gap Stabilization of Higher Acenes on a Gold Surface. ACS Nano, 2018, 12, 8506-8511.	14.6	42
26	Building a 22-ring nanographene by combining in-solution and on-surface syntheses. Chemical Communications, 2018, 54, 10256-10259.	4.1	39
27	Atomic Force Microscopy Identifying Fuel Pyrolysis Products and Directing the Synthesis of Analytical Standards. Journal of the American Chemical Society, 2018, 140, 8156-8161.	13.7	27
28	Straightforward Synthesis of a Vicinal Doubleâ€Bridgehead Iodo Trimethylsilyl Octacycle: Unprecedented Lack of Reactivity of the Silyl Group in the Presence of Fluoride Anions. European Journal of Organic Chemistry, 2017, 2017, 1594-1603.	2.4	1
29	Characterizing aliphatic moieties in hydrocarbons with atomic force microscopy. Chemical Science, 2017, 8, 2315-2320.	7.4	102
30	Imaging the electronic structure of on-surface generated hexacene. Chemical Communications, 2017, 53, 1583-1586.	4.1	54
31	Generation and Characterization of a meta-Aryne on Cu and NaCl Surfaces. ACS Nano, 2017, 11, 10768-10773.	14.6	31
32	Development of Fluorescent Probes that Target Serotonin 5-HT2B Receptors. Scientific Reports, 2017, 7, 10765.	3.3	15
33	Decacene: Onâ€Surface Generation. Angewandte Chemie - International Edition, 2017, 56, 11945-11948.	13.8	146
34	Decacene: Onâ€Surface Generation. Angewandte Chemie, 2017, 129, 12107-12110.	2.0	54
35	Molecular Self-Assembly Driven by On-Surface Reduction: Anthracene and Tetracene on Au(111). Journal of Physical Chemistry C, 2017, 121, 20353-20358.	3.1	11
36	A C₆₀-aryne building block: synthesis of a hybrid all-carbon nanostructure. Chemical Communications, 2016, 52, 6677-6680.	4.1	37

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37	1,7-Naphthodiyne: a new platform for the synthesis of novel, sterically congested PAHs. Chemical Communications, 2016, 52, 5534-5537.	4.1	21
38	Tetracene Formation by On-Surface Reduction. ACS Nano, 2016, 10, 4538-4542.	14.6	60
39	Large phenyl-substituted acenes by cycloaddition reactions of the 2,6-naphthodiyne synthon. Chemical Communications, 2015, 51, 5418-5420.	4.1	31
40	On-surface generation and imaging of arynes by atomic force microscopy. Nature Chemistry, 2015, 7, 623-628.	13.6	176
41	Straightforward Synthesis of Novel Acene-Based Aryne Precursors. Synlett, 2015, 26, 1633-1637.	1.8	16
42	Aryl Halide Câ€“C Coupling on Ge(001):H Surfaces. Journal of Physical Chemistry C, 2015, 119, 27478-27482.	3.1	11
43	From Perylene to a 22â€Ring Aromatic Hydrocarbon in Oneâ€Pot. Angewandte Chemie - International Edition, 2014, 53, 9004-9006.	13.8	94
44	Acid-Promoted Aromatization of Perylene-Based Endoxides. Heterocycles, 2014, 88, 1625.	0.7	0
45	Aryne Cycloaddition Reactions in the Synthesis of Large Polycyclic Aromatic Compounds. European Journal of Organic Chemistry, 2013, 2013, 5981-6013.	2.4	245
46	Stereoselective Tandem Cascade Furan Cycloadditions. Journal of Organic Chemistry, 2013, 78, 12637-12649.	3.2	40
47	One-pot synthesis of sterically congested large aromatic hydrocarbons via 1,4-diphenyl-2,3-triphenylyne. Chemical Communications, 2013, 49, 6274.	4.1	19
48	Aryne Insertion into Iâ€“I Ïƒ-Bonds. Organic Letters, 2012, 14, 1363-1365.	4.6	61
49	[16]Cloverphene: a Cloverâ€Shaped cataâ€Condensed Nanographene with Sixteen Fused Benzene Rings. Angewandte Chemie - International Edition, 2012, 51, 173-177.	13.8	71
50	Highly Selective Insertion of Arynes into a C(sp)â^'O(sp³) Ïƒ Bond. Organic Letters, 2011, 13, 960-963.	4.6	53
51	Aryne-mediated syntheses of structurally related acene derivatives. Organic and Biomolecular Chemistry, 2010, 8, 3386.	2.8	20
52	Generation and Reactivity of 1,2â€Cyclohexadiene under Mild Reaction Conditions. European Journal of Organic Chemistry, 2009, 2009, 5519-5524.	2.4	44
53	Structural characterization and physical properties of new tetrabenzopentaphene mesogens. Journal of Materials Chemistry, 2009, 19, 4725.	6.7	9
54	Palladium-Catalyzed [2 + 2 + 2] Cycloadditions of 3,4-Didehydrophenanthrene and 1,2-Didehydrotriphenylene. Journal of Organic Chemistry, 2008, 73, 7996-8000.	3.2	55

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55	Aryne-Mediated Synthesis of Heterocycles. Heterocycles, 2007, 74, 89.	0.7	38
56	Cyclotrimerization reactions of arynes and strained cycloalkynes. Chemical Record, 2007, 7, 326-333.	5.8	36
57	Metal-Catalyzed Cotrimerization of Arynes and Alkenes. Organic Letters, 2006, 8, 3347-3349.	4.6	48
58	Synthesis and reactivity of new strained cyclic allene and alkyne precursors. Pure and Applied Chemistry, 2006, 78, 451-455.	1.9	18
59	Synthesis of Extended Triphenylenes by Palladium-Catalyzed [2+2+2] Cycloaddition of Triphenylynes. Chemistry - A European Journal, 2006, 12, 5677-5684.	3.3	73
60	Insertion of Arynes into Ïƒ Bonds. Angewandte Chemie - International Edition, 2006, 45, 3579-3581.	13.8	212
61	Asymmetric Catalysis in the [2+2+2] Cycloaddition of Arynes and Alkynes: Enantioselective Synthesis of a Pentahelicene. Advanced Synthesis and Catalysis, 2006, 348, 2466-2474.	4.3	101
62	Selected Strategies for the Synthesis of Triphenylenes. ChemInform, 2004, 35, no.	0.0	0
63	Tris(benzocyclobutadieno)triphenylene and Its Lower Biphenylene Homologues by Palladium-Catalyzed Cyclizations of 2,3-Didehydrobiphenylene. Organic Letters, 2004, 6, 3557-3560.	4.6	48
64	Selected strategies for the synthesis of triphenylenes. Chemical Society Reviews, 2004, 33, 274-283.	38.1	132
65	First Partially Intramolecular Palladium-Catalyzed [2+2+2] Cycloaddition of Benzyne: Application to the Synthesis of Benzo[b]fluorenones. European Journal of Organic Chemistry, 2003, 2003, 1238-1243.	2.4	46
66	Dibenzo[a,o]phenanthro[3,4-s]pycene, a Configurationally Stable Double Helicene: Synthesis and Determination of Its Conformation by NMR and GIAO Calculations.. ChemInform, 2003, 34, no.	0.0	0
67	Dibenzo[a,o]phenanthro[3,4-s]pycene, a Configurationally Stable Double Helicene:â€‰ Synthesis and Determination of Its Conformation by NMR and GIAO Calculationsâ€. Organic Letters, 2003, 5, 1863-1866.	4.6	89
68	Palladium-catalyzed Trimerization of Strained Cycloalkynes: Synthesis of Decacyclene. Synlett, 2002, 2002, 0486-0488.	1.8	15
69	An Efficient Procedure for the Synthesis ofortho-Trialkylsilylaryl Triflates: Easy Access to Precursors of Functionalized Arynes. Synthesis, 2002, 2002, 1454-1458.	2.3	49
70	Kinetic Control in the Palladium-Catalyzed Synthesis ofC2-Symmetric Hexabenzotriphenylene. A Conformational Study. Organic Letters, 2000, 2, 1629-1632.	4.6	122
71	Selective Palladium-Catalyzed Cocyclotrimerization of Arynes with Dimethyl Acetylenedicarboxylate:Â A Versatile Method for the Synthesis of Polycyclic Aromatic Hydrocarbonsâ€. Journal of Organic Chemistry, 2000, 65, 6944-6950.	3.2	141
72	Palladium-Catalyzed Cocyclization of Arynes with Alkynes:Â Selective Synthesis of Phenanthrenes and Naphthalenes. Journal of the American Chemical Society, 1999, 121, 5827-5828.	13.7	214

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73	A Combined Zirconocene Benzyneâ"Palladium Cross-Coupling Route to Substituted Biphenyls and Terphenyls. Journal of the American Chemical Society, 1999, 121, 9469-9470.	13.7	36
74	Synthesis of Hexabenzotriphenylene and Other Strained Polycyclic Aromatic Hydrocarbons by Palladium-Catalyzed Cyclotrimerization of Arynes. Organic Letters, 1999, 1, 1555-1557.	4.6	167
75	Synthesis of Heterocyclic Antitumour Compounds Using Alkyne and Aryne Cycloadditions. , 1999, , 307-314.		5
76	Efficient Palladium-Catalyzed Cyclotrimerization of Arynes: Synthesis of Triphenylenes. Angewandte Chemie - International Edition, 1998, 37, 2659-2661.	13.8	252
77	Generation of cyclohexyne and its Diels-Alder reaction with Î±-pyrones. Tetrahedron Letters, 1998, 39, 3039-3040.	1.4	39
78	Efficient Palladium-Catalyzed Cyclotrimerization of Arynes: Synthesis of Triphenylenes. Angewandte Chemie - International Edition, 1998, 37, 2659-2661.	13.8	6
79	A New Convergent Approach to the Polycyclic Framework of Dynemicin Aâ€. Journal of Organic Chemistry, 1997, 62, 3028-3029.	3.2	11
80	[4+2] Cycloadditions between 2-pyrones and benzyne. Application to the synthesis of binaphthyls. Tetrahedron Letters, 1997, 38, 5375-5378.	1.4	24
81	Synthesis of Antitumor Lycorines by Intramolecular Dielsâ"Alder Reactionâ€. Journal of Organic Chemistry, 1996, 61, 1650-1654.	3.2	36
82	Synthesis of lycorines by intramolecular aryne cycloadditions. Journal of Organic Chemistry, 1995, 60, 6318-6326.	3.2	22
83	A new approach to the synthesis of antitumor benzophenanthridine alkaloids. Formal synthesis of nitidine. Journal of Organic Chemistry, 1992, 57, 5911-5917.	3.2	37
84	A new approach to the synthesis of antitumoralkaloids with the lycorane skeleton. Tetrahedron Letters, 1992, 33, 2407-2408.	1.4	14
85	A new intermolecular benzyne cycloaddition approach to benzophenanthridines. Tetrahedron Letters, 1990, 31, 143-144.	1.4	11
86	New Methods for Synthesis of Amaryllidaceae Alkaloids. Planta Medica, 1990, 56, 516-517.	1.3	2
87	Palladium-Catalyzed Cycloaddition Reactions of Arynes. Topics in Organometallic Chemistry, 0, , 109-146.	0.7	54