Dario Pasini

List of Publications by Year
in descending order

129 papers	3,466 citations	87888 38 h-index	182427 51 g-index
136 all docs	136 docs citations	136 times ranked	3658 citing authors

#	Article	IF	Citations
1	Synthetic pores with reactive signal amplifiers as artificial tongues. Nature Materials, 2007, 6, 576-580.	27.5	123
2	The Click Reaction as an Efficient Tool for the Construction of Macrocyclic Structures. Molecules, 2013, 18, 9512-9530.	3.8	117
3	Aggregationâ€Induced Circularly Polarized Luminescence: Chiral Organic Materials for Emerging Optical Technologies. Advanced Materials, 2020, 32, e1908021.	21.0	107
4	Cyclopolymerizations: Synthetic Tools for the Precision Synthesis of Macromolecular Architectures. Chemical Reviews, 2018, 118, 8983-9057.	47.7	93
5	A BINOL-based chiral polyammonium receptor for highly enantioselective recognition and fluorescence sensing of (S,S)-tartaric acid in aqueous solution. Chemical Communications, 2012, 48, 10428.	4.1	73
6	Macrocycles as Precursors for Organic Nanotubes. Current Organic Synthesis, 2007, 4, 59-80.	1.3	72
7	Knockout of pgdS and ggt genes improves Î³â€PGA yield in B. subtilis. Biotechnology and Bioengineering, 2013, 110, 2006-2012.	3.3	72
8	Polymorphism-dependent aggregation induced emission of a pushâ€“pull dye and its multi-stimuli responsive behavior. Journal of Materials Chemistry C, 2016, 4, 2979-2989.	5.5	66
9	Cyclophanes and [2]Catenanes as Ligands for Transition Metal Complexes: Synthesis, Structure, Absorption Spectra, and Excited State and Electrochemical Properties. Chemistry - A European Journal, 1998, 4, 590-607.	3.3	64
10	A â€˜clickedâ€™ macrocyclic probe incorporating Binol as the signalling unit for the chiroptical sensing of anions. Tetrahedron, 2012, 68, 7861-7866.	1.9	62
11	Constitutionally Asymmetric and Chiral [2]Pseudorotaxanes1. Journal of the American Chemical Society, 1998, 120, 920-931.	13.7	57
12	â€˜Clickableâ€™ hydrogels for all: facile fabrication and functionalization. Biomaterials Science, 2014, 2, 67-75.	5.4	57
13	Efficient crystallization induced emissive materials based on a simple pushâ€“pull molecular structure. Physical Chemistry Chemical Physics, 2011, 13, 18005.	2.8	56
14	Microstructured chitosan/poly(Î³-glutamic acid) polyelectrolyte complex hydrogels by computer-aided wet-spinning for biomedical three-dimensional scaffolds. Journal of Bioactive and Compatible Polymers, 2016, 31, 531-549.	2.1	56
15	Domino Direct Arylation and Cross-Aldol for Rapid Construction of Extended Polycyclic Ï€-Scaffolds. Journal of the American Chemical Society, 2017, 139, 8788-8791.	13.7	54
16	A chiroptical molecular sensor for ferrocene. Chemical Communications, 2016, 52, 11492-11495.	4.1	50
17	Nesting complexation of C60 with large, rigid D2 symmetrical macrocycles. Organic and Biomolecular Chemistry, 2010, 8, 3272.	2.8	48
18	Solvent Molding of Organic Morphologies Made of Supramolecular Chiral Polymers. Journal of the American Chemical Society, 2015, 137, 8150-8160.	13.7	48

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19	Chiral nanostructuring of multivalent macrocycles in solution and on surfaces. Organic and Biomolecular Chemistry, 2015, 13, 3593-3601.	2.8	48
20	Conjugated Thiophene-Fused Isatin Dyes through Intramolecular Direct Arylation. Journal of Organic Chemistry, 2016, 81, 11035-11042.	3.2	48
21	Nanostructuring with chirality: binaphthyl-based synthons for the production of functional oriented nanomaterials. Nanoscale, 2014, 6, 7165-7174.	5.6	47
22	Direct Evidence of Torsional Motion in an Aggregation-Induced Emissive Chromophore. Journal of Physical Chemistry C, 2013, 117, 27161-27166.	3.1	46
23	Enantioselective Recognition of Amino Acids by Axially-Chiral Ï€-Electron-Deficient Receptors. Journal of Organic Chemistry, 1996, 61, 7234-7235.	3.2	45
24	Molecular and Supramolecular Synthesis with Dibenzofuranâ€Containing Systems. Chemistry - A European Journal, 1997, 3, 1136-1150.	3.3	45
25	Self-Assembling Cyclophanes and Catenanes Possessing Elements of Planar Chirality. Chemistry - A European Journal, 1998, 4, 299-310.	3.3	45
26	Axially Chiral Catenanes and Ï€â€Electronâ€Deficient Receptors. Chemistry - A European Journal, 1997, 3, 463-481.	3.3	45
27	Molecular Recognition by Synthetic Multifunctional Pores in Practice: Are Structural Studies Really Helpful?. Advanced Functional Materials, 2006, 16, 169-179.	14.9	45
28	A chiral probe for the detection of Cu(ii) by UV, CD and emission spectroscopies. Dalton Transactions, 2007, , 1588.	3.3	44
29	Switching of emissive and NLO properties in pushâ€“pull chromophores with crescent PPV-like structures. Physical Chemistry Chemical Physics, 2013, 15, 1666-1674.	2.8	44
30	Shape selectivity in the synthesis of chiral macrocyclic amides. Tetrahedron, 2010, 66, 4206-4211.	1.9	42
31	Poly(Ï³â€glutamic acid) esters with reactive functional groups suitable for orthogonal conjugation strategies. Journal of Polymer Science Part A, 2012, 50, 4790-4799.	2.3	42
32	Synthetic multifunctional pores that open and close in response to chemical stimulation. Bioorganic and Medicinal Chemistry, 2005, 13, 5171-5180.	3.0	41
33	Linear recognition of dicarboxylates by ditopic macrocyclic complexes. New Journal of Chemistry, 2007, 31, 352.	2.8	41
34	Structurally-variable, rigid and optically-active D2 and D3 macrocycles possessing recognition properties towards C60. Organic and Biomolecular Chemistry, 2010, 8, 1640.	2.8	41
35	Malonate Crown Ethers as Building Blocks for Novel D-Ï€-A Chromophores. Organic Letters, 2002, 4, 23-26.	4.6	40
36	â€œPushâ€pullâ€•supramolecular chromophores supported on cyclopolymers. Journal of Polymer Science Part A, 2008, 46, 5202-5213.	2.3	40

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37	A Chiroptical Probe for Sensing Metal Ions in Water. European Journal of Organic Chemistry, 2013, 2013, 6078-6083.	2.4	40
38	Design, Synthesis, and Characterization of Carbon-Rich Cyclopolymers for 193 nm Microlithography. Chemistry of Materials, 2001, 13, 4136-4146.	6.7	39
39	Microlithographic Assessment of a Novel Family of Transparent and Etch-Resistant Chemically Amplified 193-nm Resists Based on Cyclopolymers. Chemistry of Materials, 2001, 13, 4147-4153.	6.7	39
40	Surfaceâ^'Enhanced Polymerization via Schiff-Base Coupling at the Solidâ€“Water Interface under pH Control. Journal of Physical Chemistry C, 2015, 119, 19228-19235.	3.1	39
41	Diastereoselective Self-Assembly of [2]Catenanes. European Journal of Organic Chemistry, 1999, 1999, 995-1004.	2.4	38
42	Site-selective supramolecular synthesis of halogen-bonded cocrystals incorporating the photoactive azo group. CrystEngComm, 2008, 10, 1132.	2.6	38
43	Recent Advances in Sensing Using Atropoisomeric Molecular Receptors. Chirality, 2016, 28, 116-123.	2.6	38
44	A soluble polymer-bound Evansâ€™ chiral auxiliary: synthesis, characterization and use in cycloaddition reactions. Tetrahedron: Asymmetry, 2002, 13, 333-337.	1.8	37
45	Largeâ€Area Semiâ€Transparent Luminescent Solar Concentrators Based on Large Stokes Shift Aggregationâ€Induced Fluorinated Emitters Obtained Through a Sustainable Synthetic Approach. Advanced Optical Materials, 2021, 9, 2100182.	7.3	37
46	Solvent effect as the result of frontier molecular orbital interaction. VII. The retro-diels-alder reaction.. Tetrahedron, 1992, 48, 1667-1674.	1.9	34
47	From red to blue shift: switching the binding affinity from the acceptor to the donor end by increasing the Ï€-bridge in pushâ€“pull chromophores with coordinative ends. New Journal of Chemistry, 2013, 37, 2792.	2.8	33
48	Visible light 3D printing with epoxidized vegetable oils. Additive Manufacturing, 2019, 25, 317-324.	3.0	33
49	Design of photoresists with reduced environmental impact. II. Water-soluble resists based on photocrosslinking of poly(2-isopropenyl-2-oxazoline). Journal of Polymer Science Part A, 1999, 37, 1225-1236.	2.3	32
50	Efficient Free-Radical Cyclopolymerization of Oriented Styrenic Difunctional Monomers. Macromolecules, 2009, 42, 1860-1866.	4.8	32
51	â€œClickableâ€•bacterial poly(Î³-glutamic acid). Polymer Chemistry, 2020, 11, 5582-5589.	3.9	31
52	Recent Advances in Non-Fullerene Acceptors of the IDIC/ITIC Families for Bulk-Heterojunction Organic Solar Cells. International Journal of Molecular Sciences, 2020, 21, 8085.	4.1	31
53	Autonomous Self-Healing Strategy for Stable Sodium-Ion Battery: A Case Study of Black Phosphorus Anodes. ACS Applied Materials & Interfaces, 2021, 13, 13170-13182.	8.0	31
54	Locked chromophores as CD and NMR probes for the helical conformation of tetraamidic macrocycles. Organic and Biomolecular Chemistry, 2010, 8, 1807.	2.8	27

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55	Crystallization-induced room-temperature phosphorescence in fumaramides. CrystEngComm, 2020, 22, 7782-7785.	2.6	27
56	Fullerene Ylidene Malonate Supramolecular Triads. European Journal of Organic Chemistry, 2002, 2002, 3385-3392.	2.4	26
57	Mild preparation of functionalized [2.2]paracyclophanes via the Pummerer rearrangement. Organic and Biomolecular Chemistry, 2011, 9, 5018.	2.8	26
58	Direct Arylation Strategies in the Synthesis of Ï€-Extended Monomers for Organic Polymeric Solar Cells. Molecules, 2017, 22, 21.	3.8	26
59	Chiral Nanotubes. Nanomaterials, 2017, 7, 167.	4.1	26
60	One-Pot Regiodirected Annulations for the Rapid Synthesis of Ï€-Extended Oligomers. Organic Letters, 2020, 22, 3263-3267.	4.6	25
61	The depth of molecular recognition: voltage-sensitive blockage of synthetic multifunctional pores with refined architecture. Chemical Communications, 2005, , 4798.	4.1	24
62	Chemoselective Functionalization of 3,3â€²-Substituted BINOL Derivatives. Journal of Organic Chemistry, 2008, 73, 4237-4240.	3.2	24
63	Novel Design of Carbon-Rich Polymers for 193 nm Microlithography: Adamantane-Containing Cyclopolymers. Advanced Materials, 2000, 12, 347-351.	21.0	23
64	Controlled RAFT Cyclopolymerization of Oriented Styrenic Difunctional Monomers. Macromolecular Chemistry and Physics, 2010, 211, 2254-2259.	2.2	23
65	Spectroscopic and electrochemical sensing of lanthanides with Ï€-extended chromophores incorporating ferrocenes and a coordinative end. Dalton Transactions, 2011, 40, 11719.	3.3	22
66	Structureâ€“activity relationship for the solid state emission of a new family of â€œpushâ€“pullâ€• Ï€-extended chromophores. Faraday Discussions, 2017, 196, 143-161.	3.2	22
67	Chiral Triptycenes in Supramolecular and Materials Chemistry. ChemistryOpen, 2020, 9, 719-727.	1.9	21
68	Cyclopolymers as Liquid Membrane Carriers. Macromolecules, 2003, 36, 8894-8897.	4.8	20
69	Donorâ€“acceptor conjugated copolymers incorporating tetrafluorobenzene as the Ï€â€•electron deficient unit. Journal of Polymer Science Part A, 2017, 55, 1601-1610.	2.3	20
70	Chiroptical sensing of perrhenate in aqueous media by a chiral organic cage. Chemical Communications, 2022, 58, 3897-3900.	4.1	20
71	Enantioselective Discrimination in the Self-Assembly of [2]Pseudorotaxanes. European Journal of Organic Chemistry, 1998, 1998, 983-986.	2.4	18
72	Biocompatible graft copolymers from bacterial poly(Î³-glutamic acid) and poly(lactic acid). Polymer Chemistry, 2021, 12, 3784-3793.	3.9	18

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73	Methanofullerenes from Macrocyclic Malonates. European Journal of Organic Chemistry, 2003, 2003, 374-384.	2.4	16
74	A Donor Polymer with a Good Compromise between Efficiency and Sustainability for Organic Solar Cells. Advanced Energy and Sustainability Research, 2021, 2, 2100069.	5.8	15
75	Anthradithiophene-based organic semiconductors through regiodirected double annulations. Journal of Materials Chemistry C, 2021, 9, 9302-9308.	5.5	15
76	Rigid optically-active D2and D3macrocycles. Organic and Biomolecular Chemistry, 2003, 1, 3261-3262.	2.8	14
77	Polystyrene-based self-aggregating polymers based on UPy units. Polymer Bulletin, 2012, 69, 911-923.	3.3	14
78	Synthesis and anion recognition properties of shape-persistent binaphthyl-containing chiral macrocyclic amides. Beilstein Journal of Organic Chemistry, 2012, 8, 967-976.	2.2	14
79	Stereospecific generation of homochiral helices in coordination polymers built from enantiopure binaphthyl-based ligands. CrystEngComm, 2014, 16, 8582-8590.	2.6	14
80	Free radical cyclopolymerization: A tool towards sequence control in functional polymers. European Polymer Journal, 2020, 122, 109378.	5.4	14
81	Supramolecular self-assembly of fibres. Current Opinion in Solid State and Materials Science, 2004, 8, 157-163.	11.5	13
82	Efficient Biocatalytic Cleavage and Recovery of Organic Substrates Supported on Soluble Polymers. Advanced Synthesis and Catalysis, 2007, 349, 971-978.	4.3	13
83	Synthesis, chiroptical and SHG properties of polarizable pushâ€“pull dyes built on Ï€-extended binaphthyls. RSC Advances, 2015, 5, 21495-21503.	3.6	13
84	Scalable Synthesis of Naphthothiophene-based D-Ï€-D Extended Oligomers through Cascade Direct Arylation Processes. Synlett, 2018, 29, 2577-2581.	1.8	13
85	Synthesis and Evaluation of Scalable D-A-D Ï€-Extended Oligomers as p-Type Organic Materials for Bulk-Heterojunction Solar Cells. Polymers, 2020, 12, 720.	4.5	13
86	Synthesis, postâ€modification and characterization of linear polystyreneâ€based supports for interaction with immobilized biocatalysts. Polymer International, 2012, 61, 1611-1618.	3.1	12
87	Scalable Synthesis of Naphthothiophene and Benzodithiophene Scaffolds as Ï€-Conjugated Synthons for Organic Materials. Synthesis, 2019, 51, 677-682.	2.3	12
88	Thermal and conductivity properties of poly(ethylene glycol)-based cyclopolymersElectronic supplementary information (ESI) available: 1H NMR spectra and gel permeation chromatography traces of polymers 4, 5a and 6 after purification by precipitation in the non-solvent. See http://www.rsc.org/suppdata/jm/b4/b402677b/. Journal of Materials Chemistry, 2004, 14, 2524.	6.7	11
89	Unique polymers via radical diene cyclization: polyspironorbornanes and their application to 193 nm microlithography. Chemical Communications, 1999, , 1587-1588.	4.1	10
90	Dynamic switching between binding sites in the complexation of macrocyclic â€˜pushâ€“pullâ€™ chromophores to lanthanides. Tetrahedron, 2009, 65, 10436-10440.	1.9	10

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91	C2 Symmetrical double chromophores: cooperativity effects in lanthanide ion complexationElectronic supplementary information (ESI) available: chemical shifts for diastereoisomeric pairs 4/5 in C6D6 solutions (300 MHz). See http://www.rsc.org/suppdata/ob/b4/b403494e/. Organic and Biomolecular Chemistry, 2004, 2, 1764.	2.8	8
92	Long-living optical gain induced by solvent viscosity in a pushâ€“pull molecule. Physical Chemistry Chemical Physics, 2016, 18, 18289-18296.	2.8	8
93	Blue light driven free-radical polymerization using arylazo sulfones as initiators. Polymer Chemistry, 2021, 12, 5747-5751.	3.9	8
94	Helical Nanofibers Formed by Palladiumâ€Mediated Assembly of Organic Homochiral Macrocycles Containing Binaphthyl and Pyridyl Units. ChemPlusChem, 2021, 86, 270-274.	2.8	7
95	Crystal structure analyses facilitate understanding of synthesis protocols in the preparation of 6,6â€²-dibromo-substituted BINOL compounds. CrystEngComm, 2014, 16, 10131-10138.	2.6	6
96	The efficient cyclopolymerization of silylâ€tethered styrenic difunctional monomers. Journal of Polymer Science Part A, 2018, 56, 1593-1599.	2.3	6
97	Clickable 2,2â€bis(hydroxymethyl)propionic acidâ€derived AB 2 monomers: Hyperbranched polyesters through the CuAAC cycloaddition (click) reaction. Journal of Polymer Science, 2021, 59, 2014-2022.	3.8	6
98	Positive- and negative-tone water-processable photoresists: a progress report. , 1998, 3333, 245.		5
99	Novel Organic Resists for Nanoscale Imaging. From Chemically Amplified Cycloaliphatic Resists to Dendrimer Monolayer.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 1999, 12, 405-416.	0.3	5
100	Synthesis and Solubility Properties of Methanofullerenes Containing Primary Ammonium Ion Functionalities. European Journal of Organic Chemistry, 2005, 2005, 4322-4327.	2.4	5
101	Tagging Molecules with Linear Polymers: Biocatalytic Transformation of Substrates Anchored on Soluble Macromolecules. Combinatorial Chemistry and High Throughput Screening, 2010, 13, 45-53.	1.1	5
102	Fluorinated styrene-based monomers for cyclopolymerizations. Journal of Fluorine Chemistry, 2011, 132, 956-960.	1.7	5
103	Homochiral BINOL-based macrocycles with Ï€-electron-rich, electron-withdrawing or extended spacing units as receptors for C₆₀. Beilstein Journal of Organic Chemistry, 2014, 10, 1308-1316.	2.2	5
104	Weissâ€Cook Condensations for the Synthesis of Bridged Bithiophene Monomers and Polymers. ChemistrySelect, 2019, 4, 12569-12572.	1.5	5
105	On the SavÃ©ant's Concerted/Stepwise Model. The Electroreduction of Halogenated Naphthalene Derivatives as a Case Study. ChemElectroChem, 2021, 8, 4337-4344.	3.4	5
106	Large polarization of pushâ€“pull â€œCruciformsâ€viacoordination with lanthanide ions. New Journal of Chemistry, 2021, 46, 221-227.	2.8	5
107	Chromatography of Mechanically Interlocked Molecular Compounds. Analytical Chemistry, 1996, 68, 3879-3881.	6.5	4
108	Synthesis of Binaphthyl-Based Push-Pull Chromophores with Supramolecularly Polarizable Acceptor Ends. Journal of Chemistry, 2015, 2015, 1-7.	1.9	4

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109	Aggregationâ€induced Emission: Aggregationâ€induced Circularly Polarized Luminescence: Chiral Organic Materials for Emerging Optical Technologies (Adv. Mater. 41/2020). Advanced Materials, 2020, 32, 2070309.	21.0	4
110	Triptycene derivatives as chiral probes for studying the molecular enantiorecognition on subâ€2â€¼m particle cellulose tris(3,5â€dimethylphenylcarbamate) chiral stationary phase. Chirality, 2021, 33, 883-890.	2.6	4
111	Design of a positive-tone water-soluble resist. , 1997, 3049, 437.		3
112	Design and Preliminary Studies of Environmentally Enhanced Water-Castable, Water-Developable Positive Tone Resists: Model and Feasibility Studies. ACS Symposium Series, 1998, , 262-275.	0.5	2
113	A Sustainable Synthetic Approach to the Indaceno[1,2-b:5,6-bâ€²]dithiophene (IDT) Core through Cascade Cyclizationâ€“Deprotection Reactions. Chemistry, 2022, 4, 206-215.	2.2	2
114	Design and study of water-soluble positive- and negative-tone imaging materials. , 1998, , .		1
115	Carbon-rich cyclopolymers: their synthesis, etch resistance, and application to 193-nm microlithography. , 1999, 3678, 94.		1
116	Synthesis and Evaluation of Blends Formed by Polymeric Crown Ethers and a Fullereneâ€Containing Primary Ammonium Salt in Organic Thin Films. Fullerenes Nanotubes and Carbon Nanostructures, 2007, 15, 367-378.	2.1	1
117	Synthesis and Structure Determination of 1, 4, 7, 11, 14, 17, 21, 24, 27-Nonaoxatriacontan-8, 10, 18, 20, 28, 30-Esaone. Journal of Chemical Crystallography, 2007, 37, 537-541.	1.1	1
118	Regioselective Pummerer rearrangement in [2.2]paracyclophanes. Phosphorus, Sulfur and Silicon and the Related Elements, 2021, 196, 189-194.	1.6	1
119	On the Dynamics of the Carbonâ€“Bromine Bond Dissociation in the 1-Bromo-2-Methylnaphthalene Radical Anion. Molecules, 2022, 27, 4539.	3.8	1
120	Structurally variable cyclopolymers with excellent etch resistance and their application to 193-nm lithography. , 2000, 3999, 23.		0
121	Fullerene Ylidene Malonate Supramolecular Triads.. ChemInform, 2003, 34, no-no.	0.0	0
122	Rigid Optically-Active D2 and D3 Macrocycles.. ChemInform, 2004, 35, no.	0.0	0
123	Optoelectronic devices of highly efficient luminogens in the solid state: general discussion. Faraday Discussions, 2017, 196, 455-460.	3.2	0
124	Advanced functional luminogens in the solid-state: general discussion. Faraday Discussions, 2017, 196, 317-334.	3.2	0
125	New and efficient fluorescent and phosphorescent luminogens: general discussion. Faraday Discussions, 2017, 196, 191-218.	3.2	0
126	Biomedical applications of luminogens: general discussion. Faraday Discussions, 2017, 196, 403-414.	3.2	0

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127	Graft copolymers from poly(Î³-glutamic acid): Innovative macromolcular scaffolds for additive manufacturing from renewable natural resources. , 2017, , .		0
128	Binaphthyl-Based Macrocycles as Optical Sensors for Aromatic Diphenols. Molecules, 2020, 25, 514.	3.8	0
129	Acentric Nanostructured Assembly as a Strategy for the Design of Organic Electrooptic Materials. The Open Condensed Matter Physics Journal, 2008, 1, 7-12.	0.2	0