Fernando Langa

List of Publications by Year
in descending order

173 papers	5,296 citations	76031 42 h-index	134545 62 g-index
188 all docs	188 docs citations	188 times ranked	6117 citing authors

#	Article	IF	Citations
1	Noncovalent Conformational Locks Enabling Efficient Nonfullerene Acceptors. Solar Rrl, 2022, 6, 2100768.	3.1	13
2	Gold(III) Porphyrin Was Used as an Electron Acceptor for Efficient Organic Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 11708-11717.	4.0	11
3	Formation and Photoinduced Electron Transfer in Porphyrinâ€•and Phthalocyanineâ€Bearing Nâ€Doped Graphene Hybrids Synthesized by Click Chemistry. Chemistry - A European Journal, 2022, , .	1.7	3
4	Reducing Energy Loss in Organic Solar Cells by Changing the Central Metal in Metalloporphyrins. ChemSusChem, 2021, 14, 3494-3501.	3.6	5
5	A ternary organic solar cell with 15.6% efficiency containing a new DPP-based acceptor. Journal of Materials Chemistry C, 2021, 9, 16272-16281.	2.7	17
6	Fullerene/Non-fullerene Alloy for High-Performance All-Small-Molecule Organic Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 6461-6469.	4.0	17
7	Highly Efficient (15.08%) All-Small-Molecule Ternary Solar Cells Constructed with a Porphyrin as a Donor and Two Acceptors. ACS Applied Energy Materials, 2021, 4, 4498-4506.	2.5	18
8	Influence of the dipole moment on the photovoltaic performance of polymer solar cells employing non-fullerene small molecule acceptor. Solar Energy, 2021, 221, 393-401.	2.9	13
9	Self-Assembly-Directed Organization of a Fullereneâ€"Bisporphyrin into Supramolecular Giant Donut Structures for Excited-State Charge Stabilization. Journal of the American Chemical Society, 2021, 143, 11199-11208.	6.6	6
10	Enhanced electronic communication through a conjugated bridge in a porphyrinâ€"fullerene donorâ€"acceptor couple. Journal of Materials Chemistry C, 2021, 9, 10889-10898.	2.7	3
11	Ternary Organic Solar Cell with a Nearâ€Infrared Absorbing Selenopheneâ€"Diketopyrrolopyrroleâ€Based Nonfullerene Acceptor and an Efficiency above 10%. Solar Rrl, 2020, 4, 1900471.	3.1	21
12	Panchromatic Triple Organic Semiconductor Heterojunctions for Efficient Solar Cells. ACS Applied Energy Materials, 2020, 3, 12506-12516.	2.5	4
13	Synthesis and electronic properties of pyridine end-capped cyclopentadithiophene-vinylene oligomers. RSC Advances, 2020, 10, 41264-41271.	1.7	4
14	Ternary Allâ€Smallâ€Molecule Solar Cells with Two Smallâ€Molecule Donors and Y6 Nonfullerene Acceptor with a Power Conversion Efficiency over Above 14% Processed from a Nonhalogenated Solvent. Solar Rrl, 2020, 4, 2000460.	3.1	13
15	Sc3N@Ih-C80 based donorâ€"acceptor conjugate: role of thiophene spacer in promoting ultrafast excited state charge separation. RSC Advances, 2020, 10, 19861-19866.	1.7	2
16	Highly efficient ternary polymer solar cell with two non-fullerene acceptors. Solar Energy, 2020, 199, 530-537.	2.9	8
17	The influence of the terminal acceptor and oligomer length on the photovoltaic properties of Aâ€"Dâ€"A small molecule donors. Journal of Materials Chemistry C, 2020, 8, 4763-4770.	2.7	15
18	Triplet photosensitizer-nanotube conjugates: synthesis, characterization and photochemistry of charge stabilizing, palladium porphyrin/carbon nanotube conjugates. Nanoscale, 2020, 12, 9890-9898.	2.8	10

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19	[All]â€<i>S</i>,<i>S</i>â€dioxide Oligoâ€Thienylenevinylenes: Synthesis and Structural/Electronic Shapes from Their Molecular Force Fields. Chemistry - A European Journal, 2019, 25, 464-468.	1.7	1
20	Cycloaddition of Nitrile Oxides to Graphene: a Theoretical and Experimental Approach. Chemistry - A European Journal, 2019, 25, 14644-14650.	1.7	9
21	Modulating charge carrier density and mobility in doped graphene by covalent functionalization. Chemical Communications, 2019, 55, 9999-10002.	2.2	7
22	Bidirectional charge-transfer behavior in carbon-based hybrid nanomaterials. Nanoscale, 2019, 11, 14978-14992.	2.8	20
23	Occurrence of excited state charge separation in a N-doped grapheneâ€“perylenediimide hybrid formed <i>via</i> â€˜clickâ€™ chemistry. Nanoscale Advances, 2019, 1, 4009-4015.	2.2	4
24	Near-IR Absorbing Dâ€“Aâ€“D Zn-Porphyrin-Based Small-Molecule Donors for Organic Solar Cells with Low-Voltage Loss. ACS Applied Materials & Interfaces, 2019, 11, 7216-7225.	4.0	27
25	Increase in efficiency on using selenophene instead of thiophene in Ï€-bridges for D-Ï€-DPP-Ï€-D organic solar cells. Journal of Materials Chemistry A, 2019, 7, 11886-11894.	5.2	29
26	Low Energy Loss of 0.57 eV and High Efficiency of 8.80% in Porphyrin-Based BHJ Solar Cells. ACS Applied Energy Materials, 2018, 1, 1304-1315.	2.5	15
27	A non-fullerene all small molecule solar cell constructed with a diketopyrrolopyrrole-based acceptor having a power conversion efficiency higher than 9% and an energy loss of 0.54 eV. Journal of Materials Chemistry A, 2018, 6, 11714-11724.	5.2	49
28	Edge-on and face-on functionalized Pc on enriched semiconducting SWCNT hybrids. Nanoscale, 2018, 10, 5205-5213.	2.8	18
29	Oligothienylenevinylene Polarons and Bipolarons Confined between Electronâ€Accepting Perchlorotriphenylmethyl Radicals. Chemistry - A European Journal, 2018, 24, 3776-3783.	1.7	4
30	Ni-Porphyrin-based small molecule for efficient organic solar cells (>9.0%) with a high open circuit voltage of over 1.0 V and low energy loss. Chemical Communications, 2018, 54, 14144-14147.	2.2	19
31	Reduced Energy Offsets and Low Energy Losses Lead to Efficient (âˆ¼10% at 1 sun) Ternary Organic Solar Cells. ACS Energy Letters, 2018, 3, 2418-2424.	8.8	20
32	Panchromatic ternary organic solar cells with 9.44% efficiency incorporating porphyrin-based donors. Nanoscale, 2018, 10, 12100-12108.	2.8	18
33	Regioselectivity of the Pausonâ€“Khand reaction in single-walled carbon nanotubes. Nanoscale, 2018, 10, 15078-15089.	2.8	11
34	N-Doped graphene/C60 covalent hybrid as a new material for energy harvesting applications. Chemical Science, 2018, 9, 8221-8227.	3.7	12
35	Cyclopentadithiophene-based co-oligomers for solution-processed organic solar cells. Dyes and Pigments, 2017, 143, 112-122.	2.0	6
36	New cyclopentadithiophene (CDT) linked porphyrin donors with different end-capping acceptors for efficient small molecule organic solar cells. Journal of Materials Chemistry C, 2017, 5, 4742-4751.	2.7	19

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37	Charge stabilizing tris(triphenylamine)-zinc porphyrinâ€“carbon nanotube hybrids: synthesis, characterization and excited state charge transfer studies. Nanoscale, 2017, 9, 7551-7558.	2.8	35
38	Comparative study on the photovoltaic characteristics of Aâ€“Dâ€“A and Dâ€“Aâ€“D molecules based on Zn-porphyrin; a Dâ€“Aâ€“D molecule with over 8.0% efficiency. Journal of Materials Chemistry A, 2017, 5, 1057-1065.	5.2	49
39	Tuning the optoelectronic properties for high-efficiency (>7.5%) all small molecule and fullerene-free solar cells. Journal of Materials Chemistry A, 2017, 5, 14259-14269.	5.2	34
40	Efficient Polymer Solar Cells with High Open-Circuit Voltage Containing Diketopyrrolopyrrole-Based Non-Fullerene Acceptor Core End-Capped with Rhodanine Units. ACS Applied Materials & Interfaces, 2017, 9, 11739-11748.	4.0	43
41	Cyclopentadithiophene organic core in small molecule organic solar cells: morphological control of carrier recombination. Physical Chemistry Chemical Physics, 2017, 19, 3640-3648.	1.3	8
42	Operative Mechanism of Hole-Assisted Negative Charge Motion in Ground States of Radical-Anion Molecular Wires. Journal of the American Chemical Society, 2017, 139, 686-692.	6.6	25
43	Oligomers of cyclopentadithiophene-vinylene in aromatic and quinoidal versions and redox species with intermediate forms. Chemical Science, 2017, 8, 8106-8114.	3.7	16
44	Efficient Photoinduced Energy and Electron Transfer in Zn^{II}â€“Porphyrin/Fullerene Dyads with Interchromophoric Distances up to 2.6â€…nm and No Wireâ€‘like Connectivity. Chemistry - A European Journal, 2017, 23, 14200-14212.	1.7	14
45	Viologen-functionalized single-walled carbon nanotubes as carrier nanotags for electrochemical immunosensing. Application to TGF-Î²1 cytokine. Biosensors and Bioelectronics, 2017, 98, 240-247.	5.3	28
46	Morphological changes in carbon nanohorns under stress: a combined Raman spectroscopy and TEM study. RSC Advances, 2016, 6, 49543-49550.	1.7	36
47	Regioselective preparation of a bis-pyrazolinofullerene by a macrocyclization reaction. Chemical Communications, 2016, 52, 13205-13208.	2.2	1
48	Modulation of the exfoliated graphene work function through cycloaddition of nitrile imines. Physical Chemistry Chemical Physics, 2016, 18, 29582-29590.	1.3	16
49	Efficiency improvement using bis(trifluoromethane) sulfonamide lithium salt as a chemical additive in porphyrin based organic solar cells. Nanoscale, 2016, 8, 17953-17962.	2.8	23
50	High photo-current in solution processed organic solar cells based on a porphyrin core A-Ï€-D-Ï€-A as electron donor material. Organic Electronics, 2016, 38, 330-336.	1.4	13
51	Low Open-Circuit Voltage Loss in Solution-Processed Small-Molecule Organic Solar Cells. ACS Energy Letters, 2016, 1, 302-308.	8.8	59
52	Ultrafast electron transfer in all-carbon-based SWCNTâ€“C₆₀donorâ€“acceptor nanoensembles connected by poly(phenyleneâ€“ethynylene) spacers. Nanoscale, 2016, 8, 14716-14724.	2.8	18
53	CuSCN as selective contact in solution-processed small-molecule organic solar cells leads to over 7% efficient porphyrin-based device. Journal of Materials Chemistry A, 2016, 4, 11009-11022.	5.2	39
54	Charge recombination losses in thiophene-substituted porphyrin dye-sensitized solar cells. Dyes and Pigments, 2016, 126, 147-153.	2.0	18

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55	Heteroleptic Ru(ii)-bipyridine complexes based on hexylthioether-, hexyloxy- and hexyl-substituted thienylenevinylenes and their application in dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2016, 18, 11901-11908.	1.3	2
56	(4 + 2) and (2 + 2) Cycloadditions of Benzyne to C₆₀ and Zig-Zag Single-Walled Carbon Nanotubes: The Effect of the Curvature. Journal of Physical Chemistry C, 2016, 120, 1716-1726.	1.5	34
57	Synthesis, characterization and photoinduced charge separation of carbon nanohornâ€“oligothienylenevinylene hybrids. Physical Chemistry Chemical Physics, 2016, 18, 1828-1837.	1.3	8
58	Robust Ethylenedioxythiopheneâ€“Vinylene Oligomers from Fragile Thiopheneâ€“Vinylene Cores: Synthesis and Optical, Chemical and Electrochemical Properties of Multicharged Shapes. Chemistry - A European Journal, 2015, 21, 1713-1725.	1.7	13
59	Role of the Bridge in Photoinduced Electron Transfer in Porphyrinâ€“Fullerene Dyads. Chemistry - A European Journal, 2015, 21, 5814-5825.	1.7	45
60	Grafted-double walled carbon nanotubes as electrochemical platforms for immobilization of antibodies using a metallic-complex chelating polymer: Application to the determination of adiponectin cytokine in serum. Biosensors and Bioelectronics, 2015, 74, 24-29.	5.3	47
61	Covalent decoration onto the outer walls of double walled carbon nanotubes with perylenediimides. Journal of Materials Chemistry C, 2015, 3, 4960-4969.	2.7	16
62	New acceptorâ€“Ï€-porphyrinâ€“Ï€-acceptor systems for solution-processed small molecule organic solar cells. Dyes and Pigments, 2015, 121, 109-117.	2.0	32
63	High photocurrent in oligo-thienylenevinylene-based small molecule solar cells with 4.9% solar-to-electrical energy conversion. Journal of Materials Chemistry A, 2015, 3, 11340-11348.	5.2	15
64	Free-base porphyrin and [60]fullerene linked by oligomeric ethylenedioxythienylenevinylene bridge. Journal of Porphyrins and Phthalocyanines, 2015, 19, 404-410.	0.4	2
65	Peripheral versus axial substituted phthalocyanine-double-walled carbon nanotube hybrids as light harvesting systems. Journal of Materials Chemistry C, 2015, 3, 10215-10224.	2.7	17
66	Photoinduced electron transfer in a carbon nanohornâ€“C60 conjugate. Chemical Science, 2014, 5, 2072.	3.7	21
67	Doubleâ€Wall Carbon Nanotubeâ€“Porphyrin Supramolecular Hybrid: Synthesis and Photophysical Studies. ChemPhysChem, 2014, 15, 100-108.	1.0	11
68	Photoinduced electron transfer of zinc porphyrinâ€“oligo(thienylenevinylene)â€“fullerene[60] triads; thienylenevinylenes as efficient molecular wires. Physical Chemistry Chemical Physics, 2014, 16, 2443-2451.	1.3	27
69	Carbon Nanohorns as a Scaffold for the Construction of Disposable Electrochemical Immunosensing Platforms. Application to the Determination of Fibrinogen in Human Plasma and Urine. Analytical Chemistry, 2014, 86, 7749-7756.	3.2	53
70	Use of Thienylenevinylene and Ethynyl Molecular Bridges in Organic Dyes for Dyeâ€Sensitized Solar Cells: Implications for Device Performance. ChemElectroChem, 2014, 1, 1126-1129.	1.7	8
71	Efficient cycloaddition of arynes to carbon nanotubes under microwave irradiation. Carbon, 2013, 63, 140-148.	5.4	26
72	High open circuit voltage in efficient thiophene-based small molecule solution processed organic solar cells. Organic Electronics, 2013, 14, 2826-2832.	1.4	33

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73	Effect of porphyrin loading on performance of dye sensitized solar cells based on iodide/tri-iodide and cobalt electrolytes. Journal of Materials Chemistry A, 2013, 1, 13640.	5.2	22
74	Molecular dynamics of solutions of poly-3-octyl-thiophene and functionalized single wall carbon nanotubes studied by neutron scattering. Chemical Physics, 2013, 427, 129-141.	0.9	4
75	A star-shaped sensitizer based on thienylenevinylene for dye-sensitized solar cells. Tetrahedron Letters, 2013, 54, 431-435.	0.7	5
76	Pushâ€“pull triphenylamine based chromophores as photosensitizers and electron donors for molecular solar cells. Tetrahedron, 2013, 69, 6875-6883.	1.0	8
77	Organic Dyes Incorporating Oligothienylenevinylene for Efficient Dye-Sensitized Solar Cells. Organic Letters, 2012, 14, 5732-5735.	2.4	12
78	Photochemical Evidence of Electronic Interwall Communication in Doubleâ€Wall Carbon Nanotubes. Chemistry - A European Journal, 2012, 18, 16922-16930.	1.7	11
79	Effect of the bridge substitution on the efficiency of dye-sensitized solar cells. Tetrahedron Letters, 2012, 53, 6665-6669.	0.7	8
80	Delocalization-to-Localization Charge Transition in Diferrocenyl-Oligothienylene-Vinylene Molecular Wires as a Function of the Size by Raman Spectroscopy. Journal of the American Chemical Society, 2012, 134, 5675-5681.	6.6	33
81	Photoinduced Energy and Electron Transfer in Phenylethynylâ€Bridged Zinc Porphyrinâ€“Oligothienylenevinyleneâ€“C₆₀ Ensembles. Chemistry - A European Journal, 2012, 18, 7473-7485.	1.7	20
82	Endohedral and exohedral hybrids involving fullerenes and carbon nanotubes. Nanoscale, 2012, 4, 4370.	2.8	44
83	Panchromatic Pushâ€“Pull Chromophores based on Triphenylamine as Donors for Molecular Solar Cells. Organic Letters, 2011, 13, 5362-5365.	2.4	28
84	Pyrazolinofullerenes: a less known type of highly versatile fullerene derivatives. Chemical Society Reviews, 2011, 40, 5232.	18.7	57
85	A soluble hybrid material combining carbon nanohorns and C60. Chemical Communications, 2011, 47, 12771.	2.2	24
86	Mass Spectrometry Studies of the Retro-Cycloaddition Reaction of Pyrrolidino and 2-Pyrazolinofullerene Derivatives Under Negative ESI Conditions. Journal of the American Society for Mass Spectrometry, 2011, 22, 557-567.	1.2	14
87	Triplication of the Photocurrent in Dye Solar Cells by Increasing the Elongation of the Ï€â€conjugation in Znâ€Porphyrin Sensitizers. ChemPhysChem, 2011, 12, 961-965.	1.0	33
88	Synthesis and Photoinduced Energyâ€•and Electronâ€Transfer Processes of C₆₀â€“Oligothienylenevinyleneâ€“C₇₀ Dumbbell Compounds. Chemistry - A European Journal, 2011, 17, 5432-5444.	1.7	9
89	Formation and properties of electroactive fullerene based films with a covalently attached ferrocenyl redox probe. Electrochimica Acta, 2011, 56, 5566-5574.	2.6	12
90	Bandgap Modulation in Efficient <i>n</i>â€Thiophene Absorbers for Dye Solar Cell Sensitization. ChemPhysChem, 2010, 11, 245-250.	1.0	35

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91	A Carbon Nanohornï£¿Porphyrin Supramolecular Assembly for Photoinduced Electronâ€Transfer Processes. Chemistry - A European Journal, 2010, 16, 10752-10763.	1.7	45
92	Nanoscale Interaction Between CdSe or CdTe Nanocrystals and Molecular Dyes Fostering or Hindering Directional Charge Separation. Small, 2010, 6, 221-225.	5.2	59
93	Geminate Charge Recombination in Polymer/Fullerene Bulk Heterojunction Films and Implications for Solar Cell Function. Journal of the American Chemical Society, 2010, 132, 12440-12451.	6.6	130
94	Cycloaddition of benzyne to SWCNT: towards CNT-based paddle wheels. Chemical Communications, 2010, 46, 7028.	2.2	40
95	Ferrocenylâ€Ended Thienoâ€“Vinylene Oligomers: Donorâ€“Acceptor Polarization and Mixedâ€Valence Properties with Emphasis on the Raman Mapping of Localizedâ€toâ€Delocalized Transitions. Chemistry - A European Journal, 2009, 15, 2548-2559.	1.7	19
96	Electron Transfer Dynamics in Dyeâ€Sensitized Solar Cells Utilizing Oligothienylvinylene Derivates as Organic Sensitizers. ChemSusChem, 2009, 2, 344-349.	3.6	12
97	Heck reaction on fullerene derivatives. Tetrahedron Letters, 2008, 49, 3656-3658.	0.7	6
98	Photoinduced Electron Transfer in Branched Bis(ferrocenylacetylene)â€C₆₀ Systems: Influence of the Nature of Conjugation. European Journal of Organic Chemistry, 2008, 2008, 3535-3543.	1.2	6
99	On the Thermal Stability of [60]Fullerene Cycloadducts:â€‰ Retro-Cycloaddition Reaction of 2-Pyrazolino[4,5:1,2][60]fullerenes. Journal of Organic Chemistry, 2008, 73, 3184-3188.	1.7	46
100	Oxidation of 3-Alkyl-Substituted 2-Pyrazolino[60]fullerenes: A New Formyl-Containing Building Block for Fullerene Chemistry. Organic Letters, 2008, 10, 3705-3708.	2.4	20
101	Injection and Recombination in Dye-Sensitized Solar Cells with a Broadband Absorbance Metal-Free Sensitizer Based on Oligothienylvinylene. Journal of Physical Chemistry C, 2008, 112, 18623-18627.	1.5	20
102	[60]Fullerene-based liquid crystals acting as acid-sensitive fluorescent probes. Chemical Communications, 2008, , 4590.	2.2	16
103	Heck reaction on single-walled carbon nanotubes. Synthesis and photochemical properties of a wall functionalized SWNT-anthracene derivative. Journal of Materials Chemistry, 2008, 18, 1592.	6.7	22
104	Synthesis and Properties of bis(ferrocenylacetylene)-C60 Systems.. ECS Meeting Abstracts, 2008, , .	0.0	0
105	Carbon nanotubes and porphyrins: an exciting combination for optoelectronic devices. Journal of Porphyrins and Phthalocyanines, 2007, 11, 348-358.	0.4	20
106	Microwave Irradiation: An Important Tool to Functionalize Fullerenes and Carbon Nanotubes. Combinatorial Chemistry and High Throughput Screening, 2007, 10, 766-782.	0.6	40
107	Photophysical Properties of the Newly Synthesized Triad Based on [70]Fullerene Studies with Laser Flash Photolysis. Journal of Physical Chemistry B, 2007, 111, 4335-4341.	1.2	11
108	High effectiveness of oligothienylenevinylene as molecular wires in Zn-porphyrin and C60 connected systems. Chemical Communications, 2007, , 4498.	2.2	40

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109	Through-space communication in a TTFâ€“C60â€“TTF triad. New Journal of Chemistry, 2007, 31, 230-236.	1.4	13
110	Synthesis and Photoinduced Intramolecular Processes of Fulleropyrrolidineâ€“Oligothienylenevinyleneâ€“Ferrocene Triads. Chemistry - A European Journal, 2007, 13, 3924-3933.	1.7	33
111	Comparison between the Photophysical Properties of Pyrazolo- and Isoxazolo[60]fullerenes with Dual Donors (Ferrocene, Aniline and Alkoxyphenyl). European Journal of Organic Chemistry, 2007, 2007, 2175-2185.	1.2	18
112	The first synthesis of a conjugated hybrid of C60â€“fullerene and a single-wall carbon nanotube. Carbon, 2007, 45, 2250-2252.	5.4	60
113	Vibrational spectra of oligothienyl-vinylenes with donor-Ï€-donor and donor-Ï€-acceptor substitution patterns. Journal of Molecular Structure, 2007, 834-836, 374-379.	1.8	1
114	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
115	Synthesis and photophysical properties of ruthenocene-[60]fullerene dyads. New Journal of Chemistry, 2006, 30, 93-101.	1.4	11
116	Synthesis and photophysical properties of a [60]fullerene compound with dimethylaniline and ferrocene connected through a pyrazolino group: a study by laser flash photolysis. Physical Chemistry Chemical Physics, 2006, 8, 4104-4111.	1.3	13
117	Pyrazolino [60]fullerenes: synthesis andÂproperties. Comptes Rendus Chimie, 2006, 9, 1058-1074.	0.2	18
118	Stoichiometry dependence of charge transport in polymer/methanofullerene and polymer/C70 derivative based solar cells. Organic Electronics, 2006, 7, 195-204.	1.4	44
119	Dendritic liquid-crystalline fullereneâ€“ferrocene dyads. Tetrahedron, 2006, 62, 2115-2122.	1.0	50
120	Polymer solar cells with low-bandgap polymers blended with C70-derivative give photocurrent at 1 Î¼m. Thin Solid Films, 2006, 511-512, 576-580.	0.8	56
121	Electron Transfer in Nonpolar Solvents in Fullerodendrimers with Peripheral Ferrocene Units. Chemistry - A European Journal, 2006, 12, 5149-5157.	1.7	33
122	Synthesis and Photophysical Properties of a Pyrazolino[60]fullerene with Dimethylaniline Connected by an Acetylene Linkage. European Journal of Organic Chemistry, 2006, 2006, 2344-2351.	1.2	19
123	Synthesis and Photoinduced Intermolecular Electronic Acceptor Ability of Pyrazolo[60]fullerenes vs Tetrathiafulvalene. Bulletin of the Chemical Society of Japan, 2005, 78, 1500-1507.	2.0	15
124	Ruthenocene as a new donor fragment in [60]fullereneâ€“donor dyads. Tetrahedron Letters, 2005, 46, 4781-4784.	0.7	20
125	Pyrazolino[60]fullerene-Oligophenylenevinylene Dumbbell-Shaped Arrays: Synthesis, Electrochemistry, Photophysics, and Self-Assembly on Surfaces. Chemistry - A European Journal, 2005, 11, 4405-4415.	1.7	45
126	Liquid-Crystalline [60]Fullerene-TTF Dyads.. ChemInform, 2005, 36, no.	0.1	0

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127	Synthesis and Photoinduced Intermolecular Electronic Acceptor Ability of Pyrazolo[60]fullerenes vs. Tetrathiafulvalene.. ChemInform, 2005, 36, no.	0.1	0
128	Liquid-Crystalline [60]Fullerene-TTF Dyads. Organic Letters, 2005, 7, 383-386.	2.4	49
129	Photophysics, electrochemistry and structure of a pyrazolino[60]fullerene dendrimer in solid molecular films. Synthetic Metals, 2005, 148, 47-52.	2.1	8
130	Design, Synthesis and Properties of Low Band Gap Polyfluorenes for Photovoltaic Devices. Synthetic Metals, 2005, 154, 53-56.	2.1	90
131	Infrared photocurrent spectral response from plastic solar cell with low-band-gap polyfluorene and fullerene derivative. Applied Physics Letters, 2004, 85, 5081-5083.	1.5	206
132	Microwave-assisted sidewall functionalization of single-wall carbon nanotubes by Dielsâ€"Alder cycloaddition. Chemical Communications, 2004, , 1734-1735.	2.2	149
133	A Ready Access to Unprecedented N-Anilinopyrazolino[60]fullerenes. ChemInform, 2004, 35, no.	0.1	0
134	The Isoindazole Nucleus as a Donor in Fullerene-Based Dyads. Evidence for Electron Transfer.. ChemInform, 2004, 35, no.	0.1	0
135	A ready access to unprecedented N-anilinopyrazolino[60]fullerenes. Tetrahedron Letters, 2004, 45, 1651-1654.	0.7	18
136	Synthesis and photochemistry of soluble, pentyl ester-modified single wall carbon nanotube. Chemical Physics Letters, 2004, 386, 342-345.	1.2	51
137	Sidewall Functionalization of Single-Walled Carbon Nanotubes with Nitrile Imines. Electron Transfer from the Substituent to the Carbon Nanotube. Journal of Physical Chemistry B, 2004, 108, 12691-12697.	1.2	117
138	The Isoindazole Nucleus as a Donor in Fullerene-Based Dyads. Evidence for Electron Transfer. Journal of Organic Chemistry, 2004, 69, 2661-2668.	1.7	48
139	Optical properties and photoinduced processes in multicomponent architectures with oligophenylenevinylene units. Synthetic Metals, 2004, 147, 19-28.	2.1	11
140	Synthesis of Dumbbell-Shaped Bis-(pyrazolino[60]fullerene)-oligophenylenevinylene Derivatives.. ChemInform, 2003, 34, no.	0.1	0
141	The importance of the linking bridge in donorâ€"C60 electroactive dyads. New Journal of Chemistry, 2002, 26, 76-80.	1.4	20
142	Relation between charge transfer and solvent polarity in fullerene derivatives: NMR studiesElectronic supplementary information (ESI) available: Table S1: chemical shifts (ppm) in C6D6 (ETN = 0.111), CDCl3 (ETN = 0.259), and CD2Cl2 (ETN = 0.309). See http://www.rsc.org/suppdata/jm/b2/b203112b/. Journal of Materials Chemistry, 2002, 12, 2130-2136.	6.7	10
143	Photoinduced processes in fullerenopyrrolidine and fullerenopyrazoline derivatives substituted with an oligophenylenevinylene moietyElectronic supplementary information (ESI) available: synthetic procedures and full characterization of all new compounds. See http://www.rsc.org/suppdata/jm/b2/b200432a/. Journal of Materials Chemistry, 2002, 12, 2077-2087.	6.7	91
144	Synthesis and properties of pyrazolino[60]fullerene-donor systems. Tetrahedron, 2002, 58, 5821-5826.	1.0	47

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145	Synthesis of dumbbell-shaped bis-(pyrazolino[60]fullerene)-oligophenylenevinylene derivatives. Tetrahedron Letters, 2002, 43, 7507-7511.	0.7	34
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