Philipp Vecera

List of Publications by Year
in descending order

148	8,233	66343	49909
papers	citations	42 h-index	87 g-index

171	171	171	11863
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solar Energy Storage: Competition between Delocalized Charge Transfer and Localized Excited States in the Norbornadiene to Quadricyclane Photoisomerization. Journal of the American Chemical Society, 2022, 144, 153-162.	13.7	11
2	Hierarchical Assembly and Sensing Activity of Patterned Grapheneâ€Hamilton Receptor Nanostructures. Advanced Materials Interfaces, 2022, 9, .	3.7	2
3	Atomically resolved TEM imaging of covalently functionalised graphene. Npj 2D Materials and Applications, 2022, 6, .	7.9	3
4	Laser-Triggered Bottom-Up Transcription of Chemical Information: Toward Patterned Graphene/MoS₂ Heterostructures. Journal of the American Chemical Society, 2022, 144, 9645-9650.	13.7	12
5	A straightforward reductive approach for the deoxygenation, activation and functionalization of ultrashort single-walled carbon nanotubes. Carbon, 2021, 171, 768-776.	10.3	8
6	Interface Amorphization of Twoâ€Dimensional Black Phosphorus upon Treatment with Diazonium Salts. Chemistry - A European Journal, 2021, 27, 3361-3366.	3.3	15
7	Ï€â€Extended Diaza[7]helicenes by Hybridization of Naphthalene Diimides and Hexaâ€peri â€hexabenzocoronenes. Chemistry - A European Journal, 2021, 27, 2332-2341.	3.3	16
8	Smart Shellâ€byâ€Shell Nanoparticles with Tunable Perylene Fluorescence in the Organic Interlayer. Chemistry - A European Journal, 2021, 27, 1655-1669.	3.3	1
9	A general concept for highly efficient covalent laser patterning of graphene based on silver carboxylates. Chemical Communications, 2021, 57, 4654-4657.	4.1	3
10	Nonâ€Covalent Postfunctionalization of Dye Layers on TiO₂ â€" A Tool for Enhancing Injection in Dyeâ€Sensitized Solar Cells. Chemistry - A European Journal, 2021, 27, 5041-5050.	3.3	4
11	Molecular Solar Thermal Batteries through Combination of Magnetic Nanoparticle Catalysts and Tailored Norbornadiene Photoswitches. Chemistry - A European Journal, 2021, 27, 4993-5002.	3.3	20
12	Controlling the Formation of Sodium/Black Phosphorus IntercalationCompounds Towards High Sodium Content. Batteries and Supercaps, 2021, 4, 1304-1309.	4.7	3
13	Acid Catalysis with Alkane/Water Microdroplets in Ionic Liquids. Jacs Au, 2021, 1, 786-794.	7.9	12
14	Hypervalent Iodine Compounds as Versatile Reagents for Extremely Efficient and Reversible Patterning of Graphene with Nanoscale Precision. Advanced Materials, 2021, 33, e2101653.	21.0	9
15	Tunable Photocatalytic Activity of PEOâ€Stabilized ZnOâ€"Polyoxometalate Nanostructures in Aqueous Solution. Advanced Materials Interfaces, 2021, 8, 2002130.	3.7	10
16	Covalent Patterning of 2D MoS₂. Chemistry - A European Journal, 2021, 27, 13117-13122.	3.3	9
17	Evolution of Graphene Patterning: From Dimension Regulation to Molecular Engineering. Advanced Materials, 2021, 33, e2104060.	21.0	34
18	Tunable Photoswitching in Norbornadiene (NBD)/Quadricyclane (QC) â€" Fullerene Hybrids. Chemistry - A European Journal, 2021, 27, 14501-14507.	3.3	5

#	Article	IF	Citations
19	Covalent and non-covalent chemistry of 2D black phosphorus. RSC Advances, 2021, 11, 26093-26101.	3.6	8
20	Molecular embroidering of graphene. Nature Communications, 2021, 12, 552.	12.8	25
21	Hostâ€Guest Systems on the Surface of Functionalized Superparamagnetic Iron Oxide Nanoparticles (SPIONs) Utilizing Hamilton Receptors and Cyanurate Derivative Molecules. Chemistry - A European Journal, 2021, 27, 16429-16439.	3.3	3
22	Carbon Nano-onions: Potassium Intercalation and Reductive Covalent Functionalization. Journal of the American Chemical Society, 2021, 143, 18997-19007.	13.7	15
23	Fractal-seaweeds type functionalization of graphene. Carbon, 2020, 158, 435-448.	10.3	10
24	Understanding the Electron-Doping Mechanism in Potassium-Intercalated Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2020, 142, 2327-2337.	13.7	16
25	Highly Efficient and Reversible Covalent Patterning of Graphene: 2Dâ€Management of Chemical Information. Angewandte Chemie - International Edition, 2020, 59, 5602-5606.	13.8	36
26	Mixed Organic Ligand Shells: Controlling the Nanoparticle Surface Morphology toward Tuning the Optoelectronic Properties. Small, 2020, 16, e1903729.	10.0	10
27	Photoswitchable Norbornadieneâ€“Quadricyclane Interconversion Mediated by Covalently Linked C 60. Chemistry - A European Journal, 2020, 26, 5220-5230.	3.3	21
28	Noncovalent Functionalization and Passivation of Black Phosphorus with Optimized Perylene Diimides for Hybrid Field Effect Transistors. Advanced Materials Interfaces, 2020, 7, 2001290.	3.7	19
29	Quantifying the Covalent Functionalization of Black Phosphorus. Angewandte Chemie - International Edition, 2020, 59, 20230-20234.	13.8	25
30	Quantifizierung der kovalenten Funktionalisierung von schwarzem Phosphor. Angewandte Chemie, 2020, 132, 20406-20411.	2.0	3
31	Covalently Doped Graphene Superlattices: Spatially Resolved Supratopic- and Janus-Binding. Journal of the American Chemical Society, 2020, 142, 16016-16022.	13.7	21
32	Organic Field Effect Transistors: Noncovalent Functionalization and Passivation of Black Phosphorus with Optimized Perylene Diimides for Hybrid Field Effect Transistors (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217	3.7	0
33	Tuning Conductivity and Spin Dynamics in Fewâ€Layer Graphene via In Situ Potassium Exposure. Physica Status Solidi (B): Basic Research, 2020, 257, 2000368.	1.5	1
34	Spatially Resolved Bottomâ€Side Fluorination of Graphene by Twoâ€Dimensional Substrate Patterning. Angewandte Chemie, 2020, 132, 6766-6771.	2.0	7
35	Dynamic Covalent Formation of Concave Disulfide Macrocycles Mechanically Interlocked with Singleâ€Walled Carbon Nanotubes. Angewandte Chemie - International Edition, 2020, 59, 18774-18785.	13.8	35
36	Shellâ€byâ€Shell Functionalization of Inorganic Nanoparticles. Chemistry - A European Journal, 2020, 26, 8483-8498.	3.3	9

#	Article	IF	Citations
37	Spatially Resolved Bottomâ€Side Fluorination of Graphene by Twoâ€Dimensional Substrate Patterning. Angewandte Chemie - International Edition, 2020, 59, 6700-6705.	13.8	25
38	Nanoparticle Surfaces: Mixed Organic Ligand Shells: Controlling the Nanoparticle Surface Morphology toward Tuning the Optoelectronic Properties (Small 2/2020). Small, 2020, 16, 2070009.	10.0	0
39	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	4.4	333
40	Fewâ€layer Black Phosphorous Catalyzes Radical Additions to Alkenes Faster than Lowâ€valence Metals. ChemCatChem, 2020, 12, 2226-2232.	3.7	14
41	Mechanical cleaning of graphene using in situ electron microscopy. Nature Communications, 2020, 11, 1743.	12.8	36
42	Coronenohelicenes with Dynamic Chirality. Chemistry - A European Journal, 2020, 26, 14100-14108.	3.3	16
43	A Straightforward Approach to Multifunctional Graphene. Chemistry - A European Journal, 2019, 25, 13218-13223.	3.3	12
44	Revealing Hidden UV Instabilities in Organic Solar Cells by Correlating Device and Material Stability. Advanced Energy Materials, 2019, 9, 1902124.	19.5	74
45	Monolayer black phosphorus by sequential wet-chemical surface oxidation. RSC Advances, 2019, 9, 3570-3576.	3.6	28
46	GitterÃ¶ffnung durch reduktive kovalente Volumenâ€Funktionalisierung von schwarzem Phosphor. Angewandte Chemie, 2019, 131, 5820-5826.	2.0	12
47	Lattice Opening upon Bulk Reductive Covalent Functionalization of Black Phosphorus. Angewandte Chemie - International Edition, 2019, 58, 5763-5768.	13.8	60
48	Electronic Communication in Confined Space Coronas of Shellâ€byâ€Shell Structured Al 2 O 3 Nanoparticle Hybrids Containing Two Layers of Functional Organic Ligands. Chemistry - A European Journal, 2019, 25, 11864-11875.	3.3	5
49	Covalent Interâ€Carbonâ€Allotrope Architectures Consisting of the Endohedral Fullerene Sc₃N@C₈₀ and Singleâ€Walled Carbon Nanotubes. Angewandte Chemie, 2019, 131, 8142-8146.	2.0	8
50	Covalent Interâ€Carbonâ€Allotrope Architectures Consisting of the Endohedral Fullerene Sc₃N@C₈₀ and Singleâ€Walled Carbon Nanotubes. Angewandte Chemie - International Edition, 2019, 58, 8058-8062.	13.8	17
51	Few layer 2D pnictogens catalyze the alkylation of soft nucleophiles with esters. Nature Communications, 2019, 10, 509.	12.8	61
52	A top-down strategy identifying molecular phase stabilizers to overcome microstructure instabilities in organic solar cells. Energy and Environmental Science, 2019, 12, 1078-1087.	30.8	89
53	Characterizing the maximum number of layers in chemically exfoliated graphene. Scientific Reports, 2019, 9, 19480.	3.3	14
54	Modular Covalent Graphene Functionalization with C₆₀ and the Endohedral Fullerene Sc₃N@C₈₀: A Facile Entry to Syntheticâ€Carbonâ€Allotrope Hybrids. Angewandte Chemie, 2019, 131, 826-830.	2.0	2

#	Article	IF	Citations
55	Exohedral Addition Chemistry of the Fullerenide Anions C 60 2â^' and C 60 â‹…â^'. Chemistry - A European Journal, 2019, 25, 5186-5201.	3.3	11
56	The reactivity of reduced graphene depends on solvation. 2D Materials, 2019, 6, 025009.	4.4	12
57	Modular Covalent Graphene Functionalization with C₆₀ and the Endohedral Fullerene Sc₃N@C₈₀: A Facile Entry to Syntheticâ€Carbonâ€Allotrope Hybrids. Angewandte Chemie - International Edition, 2019, 58, 816-820.	13.8	16
58	Synergy of Catecholâ€Functionalized Zinc Oxide Nanorods and Porphyrins in Layerâ€byâ€Layer Assemblies. Chemistry - A European Journal, 2018, 24, 7896-7905.	3.3	8
59	Fundamental Insights into the Reductive Covalent Cross-Linking of Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2018, 140, 3352-3360.	13.7	38
60	Isomerically Pure Starâ€Shaped Triphenyleneâ€“Perylene Hybrids Involving Highly Extended Ï€â€Conjugation. Chemistry - A European Journal, 2018, 24, 4671-4679.	3.3	8
61	Zweidimensionale Chemie jenseits von Graphen: das aufstrebende Gebiet der Funktionalisierung von MolybdÃ¤disulfid und schwarzem Phosphor. Angewandte Chemie, 2018, 130, 4421-4437.	2.0	24
62	Postâ€Graphene 2D Chemistry: The Emerging Field of Molybdenum Disulfide and Black Phosphorus Functionalization. Angewandte Chemie - International Edition, 2018, 57, 4338-4354.	13.8	193
63	Understanding the Role of Surface Charge in Cellular Uptake and X-ray-Induced ROS Enhancing of Auâ€“Fe₃O₄ Nanoheterodimers. ACS Applied Bio Materials, 2018, 1, 2002-2011.	4.6	14
64	Exfoliation of Graphene by Dendritic Waterâ€Soluble Zinc Phthalocyanine Amphiphiles in Polar Media. Chemistry - A European Journal, 2018, 24, 18696-18704.	3.3	5
65	Diastereospecific and Highly Site-Selective Functionalization of C₇₀ Fullerene by a Reaction with Diethyl N-Arylaziridine-2,3-dicarboxylates. Journal of Organic Chemistry, 2018, 83, 14146-14151.	3.2	7
66	Highly Efficient Encapsulation and Phase Separation of Apolar Molecules by Magnetic Shellâ€byâ€Shellâ€Coated Nanocarriers in Water. Chemistry - A European Journal, 2018, 24, 13589-13595.	3.3	11
67	Oxoâ€Functionalized Graphene: A Versatile Precursor for Alkylated Graphene Sheets by Reductive Functionalization. Chemistry - A European Journal, 2018, 24, 13348-13354.	3.3	18
68	Front Cover: Synthesis of Magnetic Molecular Complexes with Fullerene Anchor Groups (Eur. J. Org.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.4	0
69	Synthesis of Magnetic Molecular Complexes with Fullerene Anchor Groups. European Journal of Organic Chemistry, 2017, 2017, 790-798.	2.4	8
70	Degree of functionalisation dependence of individual Raman intensities in covalent graphene derivatives. Scientific Reports, 2017, 7, 45165.	3.3	44
71	Suppression of Hysteresis Effects in Organohalide Perovskite Solar Cells. Advanced Materials Interfaces, 2017, 4, 1700007.	3.7	57
72	Unifying Principles of the Reductive Covalent Graphene Functionalization. Journal of the American Chemical Society, 2017, 139, 5175-5182.	13.7	54

#	Article	IF	Citations
73	Exploring the Formation of Black Phosphorus Intercalation Compounds with Alkali Metals. Angewandte Chemie, 2017, 129, 15469-15475.	2.0	12
74	Exploring the Formation of Black Phosphorus Intercalation Compounds with Alkali Metals. Angewandte Chemie - International Edition, 2017, 56, 15267-15273.	13.8	69
75	Noncovalent Functionalization and Charge Transfer in Antimonene. Angewandte Chemie - International Edition, 2017, 56, 14389-14394.	13.8	83
76	Reductive Functionalization of Graphenides With Nickel(II) Porphyrin Diazonium Compounds. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700306.	2.4	4
77	Direct Covalent Coupling of Porphyrins to Graphene. Journal of the American Chemical Society, 2017, 139, 11760-11765.	13.7	72
78	Highly Regioselective Alkylation of Hexabenzocoronenes: Fundamental Insights into the Covalent Chemistry of Graphene. Angewandte Chemie - International Edition, 2017, 56, 12184-12190.	13.8	31
79	Electronic and Magnetic Properties of Black Phosphorus. Physica Status Solidi (B): Basic Research, 2017, 254, 1700232.	1.5	17
80	Highly Regioselective Alkylation of Hexabenzocoronenes: Fundamental Insights into the Covalent Chemistry of Graphene. Angewandte Chemie, 2017, 129, 12352-12358.	2.0	14
81	Individualization and Stabilization of Zinc Oxide Nanorods by Covalent Functionalization with Positively Charged Catechol Derivatives. Chemistry - A European Journal, 2017, 23, 17257-17268.	3.3	8
82	Chemical functionalization and characterization of graphene-based materials. Chemical Society Reviews, 2017, 46, 4464-4500.	38.1	356
83	Fundamental Insights into the Degradation and Stabilization of Thin Layer Black Phosphorus. Journal of the American Chemical Society, 2017, 139, 10432-10440.	13.7	232
84	Electroluminescence: From White to Red: Electricâ€Field Dependent Chromaticity of Lightâ€Emitting Electrochemical Cells based on Archetypal Porphyrins (Adv. Funct. Mater. 37/2016). Advanced Functional Materials, 2016, 26, 6736-6736.	14.9	5
85	Highly Integrated Organicâ€“Inorganic Hybrid Architectures by Noncovalent Exfoliation of Graphite and Assembly with Zinc Oxide Nanoparticles. Advanced Materials Interfaces, 2016, 3, 1600365.	3.7	9
86	From White to Red: Electricâ€Field Dependent Chromaticity of Lightâ€Emitting Electrochemical Cells based on Archetypal Porphyrins. Advanced Functional Materials, 2016, 26, 6737-6750.	14.9	49
87	Fewâ€Layer Antimonene by Liquidâ€Phase Exfoliation. Angewandte Chemie - International Edition, 2016, 55, 14345-14349.	13.8	346
88	Substrate-Modulated Reductive Graphene Functionalization. Angewandte Chemie - International Edition, 2016, 55, 14858-14862.	13.8	26
89	Noncovalent Functionalization of Black Phosphorus. Angewandte Chemie, 2016, 128, 14777-14782.	2.0	71
90	Noncovalent Functionalization of Black Phosphorus. Angewandte Chemie - International Edition, 2016, 55, 14557-14562.	13.8	199

#	Article	IF	Citations
91	Solvent-driven electron trapping and mass transport in reduced graphites to access perfect graphene. Nature Communications, 2016, 7, 12411.	12.8	53
92	Topology-Driven Reductive Silylation of Synthetic Carbon Allotropes. Journal of the American Chemical Society, 2016, 138, 15642-15647.	13.7	8
93	Hydrogen bonding mediated orthogonal and reversible self-assembly of porphyrin sensitizers onto TiO₂ nanoparticles. Chemical Communications, 2016, 52, 8842-8845.	4.1	21
94	Monoâ€•and Ditopic Bisfunctionalization of Graphene. Angewandte Chemie - International Edition, 2016, 55, 5861-5864.	13.8	56
95	Basic Insights into Tunable Graphene Hydrogenation. Journal of the American Chemical Society, 2016, 138, 1647-1652.	13.7	45
96	Perovskite solar cells fabricated using dicarboxylic fullerene derivatives. New Journal of Chemistry, 2016, 40, 2829-2834.	2.8	23
97	The Graphene Flagship-A Giant European Research Project. Angewandte Chemie - International Edition, 2015, 54, 9132-9133.	13.8	4
98	Synthesis and Atropisomerism of Cascaded Tetraphenylporphyrinâ€“[60]Fullerene Hybrids. Chemistry - A European Journal, 2015, 21, 12421-12430.	3.3	5
99	Lowâ€Temperature and Hysteresisâ€Free Electronâ€Transporting Layers for Efficient, Regular, and Planar Structure Perovskite Solar Cells. Advanced Energy Materials, 2015, 5, 1501056.	19.5	69
100	Transport, magnetic and vibrational properties of chemically exfoliated few-layer graphene. Physica Status Solidi (B): Basic Research, 2015, 252, 2438-2443.	1.5	5
101	A General Approach To Study the Thermodynamics of Ligand Adsorption to Colloidal Surfaces Demonstrated by Means of Catechols Binding to Zinc Oxide Quantum Dots. Chemistry of Materials, 2015, 27, 358-369.	6.7	64
102	Facile synthesis and photovoltaic applications of a new alkylated bismethano fullerene as electron acceptor for high open circuit voltage solar cells. RSC Advances, 2015, 5, 64724-64730.	3.6	17
103	Surface Modification of ZnO Nanorods with Hamilton Receptors. International Journal of Molecular Sciences, 2015, 16, 8186-8200.	4.1	7
104	Basal-Plane Functionalization of Chemically Exfoliated Molybdenum Disulfide by Diazonium Salts. ACS Nano, 2015, 9, 6018-6030.	14.6	293
105	Benzâ€Bisimidazoleâ€Bridged Perylenes â€“ Linearly Expanded Chromophores. European Journal of Organic Chemistry, 2015, 2015, 2167-2174.	2.4	19
106	Formation of Highly Charged Quasiâ€Molecular Ions of a Polycationic [60]Fullerene Hexakisâ€Adduct and Their Fragmentation Behavior in the Gas Phase. European Journal of Organic Chemistry, 2015, 2015, 2282-2290.	2.4	4
107	Atomic layer deposition on 2D transition metal chalcogenides: layer dependent reactivity and seeding with organic ad-layers. Chemical Communications, 2015, 51, 16553-16556.	4.1	39
108	Polyhydrogenated Graphene: Excited State Dynamics in Photo- and Electroactive Two-Dimensional Domains. Journal of the American Chemical Society, 2015, 137, 13079-13086.	13.7	25

#	Article	IF	Citations
109	Naphthalenebisimides as photofunctional surfactants for SWCNTs â€“ towards water-soluble electron donorâ€“acceptor hybrids. Chemical Science, 2015, 6, 6886-6895.	7.4	13
110	Carbon Nanodots: Supramolecular Electron Donorâ€“Acceptor Hybrids Featuring Perylenediimides. Angewandte Chemie - International Edition, 2015, 54, 8292-8297.	13.8	80
111	Liquid exfoliation of solvent-stabilized few-layer black phosphorus for applications beyond electronics. Nature Communications, 2015, 6, 8563.	12.8	921
112	Investigation of pentaarylazafullerenes as acceptor systems for bulk-heterojunction organic solar cells. Solar Energy Materials and Solar Cells, 2015, 132, 450-454.	6.2	18
113	Reductive arylation of graphene: Insights into a reversible carbon allotrope functionalization reaction. Physica Status Solidi (B): Basic Research, 2014, 251, 2536-2540.	1.5	28
114	Chemistry with Graphene and Graphene Oxideâ€”Challenges for Synthetic Chemists. Angewandte Chemie - International Edition, 2014, 53, 7720-7738.	13.8	741
115	Statistical Raman Microscopy and Atomic Force Microscopy on Heterogeneous Graphene Obtained after Reduction of Graphene Oxide. Journal of Physical Chemistry C, 2014, 118, 7698-7704.	3.1	95
116	Novel Î»³â€Iodaneâ€Based Functionalization of Synthetic Carbon Allotropes (SCAs)â€”Common Concepts and Quantification of the Degree of Addition. Chemistry - A European Journal, 2014, 20, 16644-16651.	3.3	52
117	Facile Access to Functional Building Blocks of C₆₀ Involving C₃â€Symmetrical Addition Patterns. European Journal of Organic Chemistry, 2013, 2013, 5093-5105.	2.4	13
118	Graphene oxide: a stable carbon framework for functionalization. Journal of Materials Chemistry A, 2013, 1, 11559.	10.3	114
119	New Basic Insight into Reductive Functionalization Sequences of Single Walled Carbon Nanotubes (SWCNTs). Journal of the American Chemical Society, 2013, 135, 18385-18395.	13.7	71
120	Tuning the adsorption of perylene-based surfactants on the surface of single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2592-2598.	1.5	10
121	Screening of the chemical reactivity of three different graphite sources using the formation of reductively alkylated graphene as a model reaction. Chemical Communications, 2013, 49, 10811.	4.1	30
122	On the Way to Graphaneâ€”Pronounced Fluorescence of Polyhydrogenated Graphene. Angewandte Chemie - International Edition, 2013, 52, 754-757.	13.8	108
123	Wet Chemical Functionalization of Graphene. Accounts of Chemical Research, 2013, 46, 87-96.	15.6	221
124	Sequential Fullerenylation of Bisâ€malonates â€“ Efficient Access to Oligoclusters with Different Fullerene Building Blocks. European Journal of Organic Chemistry, 2013, 2013, 2355-2361.	2.4	6
125	Scanning-Raman-Microscopy for the Statistical Analysis of Covalently Functionalized Graphene. ACS Nano, 2013, 7, 5472-5482.	14.6	143
126	Effect of the Structure and Morphology of Natural, Synthetic and Post-processed Graphites on Their Dispersibility and Electronic Properties. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 804-823.	2.1	21

#	Article	IF	Citations
127	Synthesis and Aggregation Properties of Polycationic Perylenetetracarboxylic Acid Diimides. European Journal of Organic Chemistry, 2012, 2012, 6179-6186.	2.4	17
128	Effect of Polymer Molecular Weight and Solution Parameters on Selective Dispersion of Single-Walled Carbon Nanotubes. ACS Macro Letters, 2012, 1, 815-819.	4.8	91
129	Increasing the Fill Factor of Inverted P3HT:PCBM Solar Cells Through Surface Modification of Alâ€Doped ZnO via Phosphonic Acidâ€Anchored C60 SAMs. Advanced Energy Materials, 2012, 2, 532-535.	19.5	116
130	Functionalization of graphene by electrophilic alkylation of reduced graphite. Chemical Communications, 2012, 48, 5025.	4.1	68
131	Dendritic Architectures with Positively Charged Cores and Negatively Charged Shells. European Journal of Organic Chemistry, 2012, 2012, 1130-1137.	2.4	4
132	Covalent bulk functionalization of graphene. Nature Chemistry, 2011, 3, 279-286.	13.6	596
133	Carbon Functionalization: The Potential of Perylene Bisimide Derivatives for the Solubilization of Carbon Nanotubes and Graphene (Adv. Mater. 22-23/2011). Advanced Materials, 2011, 23, 2534-2534.	21.0	1
134	Synthesis and Magnetic Properties of a Nitrogenâ€Containing Fullerene Dimer. European Journal of Organic Chemistry, 2011, 2011, 117-121.	2.4	14
135	A Novel Diameterâ€Selective Functionalization of SWCNTs with Lithium Alkynylides. European Journal of Organic Chemistry, 2010, 2010, 1494-1501.	2.4	34
136	Selfâ€Assembling Depsipeptide Dendrimers and Dendritic Fullerenes with New cisâ€•and transâ€Symmetric Hamilton Receptor Functionalized Znâ€“Porphyrins: Synthesis, Photophysical Properties and Cooperativity Phenomena. European Journal of Organic Chemistry, 2010, 2010, 5010-5029.	2.4	13
137	Reductive Retrofunctionalization of Singleâ€Walled Carbon Nanotubes. Angewandte Chemie - International Edition, 2010, 49, 3322-3325.	13.8	46
138	Carbon nanotube characterization: Optical Visualization of Carbon Nanotubes-a Unifying Linkage Between Microscopic and Spectroscopic Characterization Techniques (Small 18/2010). Small, 2010, 6, n/a-n/a.	10.0	0
139	Reciprocal principle of molecular recognition in supramolecular chromatographyâ€”highly selective analytical separation of cyclodextrin congeners on a silica-bonded [60]fullerene stationary phase. New Journal of Chemistry, 2010, 34, 693.	2.8	20
140	Chiral Waterâ€Soluble Perylenediimides. European Journal of Organic Chemistry, 2009, 2009, 5337-5349.	2.4	53
141	Diameter selectivity of nanotube sidewall functionalization probed by optical spectroscopy. Physica Status Solidi (B): Basic Research, 2008, 245, 1954-1956.	1.5	6
142	Covalent Sidewall Functionalization of SWNTs by Nucleophilic Addition of Lithium Amides. European Journal of Organic Chemistry, 2008, 2008, 2544-2550.	2.4	95
143	Amphiphilic architectures based on fullerene and calixarene platforms: From buckysomes to shape-persistent micelles. Pure and Applied Chemistry, 2008, 80, 571-587.	1.9	20
144	Functionalization of fullerenes and carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3209-3212.	1.5	30

#	Article	IF	Citations
145	Perfect nanospheres from polymerized lipofullerenes. , 1999, , .		0
146	Physical Vapor Growth of Double Position Boundary Free, Quasi-Bulk 3C-SiC on High Quality 3C-SiC on Si CVD Templates. Materials Science Forum, 0, 858, 89-92.	0.3	6
147	Spatial Control of Graphene Functionalization by Patterning a 2D Substrate: Implications for Graphene Based van-der-Waals Heterostructures. ACS Applied Nano Materials, 0, , .	5.0	2
148	Molecular Stacking on Graphene. Angewandte Chemie, 0, , .	2.0	0