

Nikos Tagmatarchis

List of Publications by Year in descending order

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260
papers

14,539
citations

38660

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h-index

22102

113
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292
docs citations

292
times ranked

16212
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step covalent hydrophobic/hydrophilic functionalization of chemically exfoliated molybdenum disulfide nanosheets with RAFT derived polymers. <i>Chemical Communications</i> , 2022, 58, 795-798.	2.2	3
2	Methylammonium Lead Bromide Perovskite Nano-Crystals Grown in a Poly[styrene-co-(2-(dimethylamino)ethyl Methacrylate)] Matrix Immobilized on Exfoliated Graphene Nano-Sheets. <i>Nanomaterials</i> , 2022, 12, 1275.	1.9	4
3	A solution-processed MoS ₂ /graphene heterostructure mediated by a bifunctional block copolymer as a non-noble metal platform for hydrogen evolution. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2858-2867.	2.5	1
4	Graphene featuring imidazolium rings and electrostatically immobilized polyacrylate chains as metal-free electrocatalyst for selective oxygen reduction to hydrogen peroxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, , 129252.	2.3	0
5	Enhancing efficiency and decreasing photocatalytic degradation of perovskite solar cells using a hydrophobic copper-modified titania electron transport layer. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119714.	10.8	42
6	An ion-selective crown ether covalently grafted onto chemically exfoliated MoS ₂ as a biological fluid sensor. <i>Nanoscale</i> , 2021, 13, 8948-8957.	2.8	14
7	Interfacing Carbon Dots for Charge Transfer Processes. <i>Small</i> , 2021, 17, e2006005.	5.2	22
8	Unveiling the Photoinduced Electron Donating Character of MoS ₂ in Covalently Linked Hybrids Featuring Perylenediimide. <i>Angewandte Chemie</i> , 2021, 133, 9202-9208.	1.6	1
9	Unveiling the Photoinduced Electron Donating Character of MoS ₂ in Covalently Linked Hybrids Featuring Perylenediimide. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9120-9126.	7.2	16
10	Controlled Chemical Functionalization toward 3D-2D Carbon Nanohorn-MoS ₂ Heterostructures with Enhanced Electrocatalytic Activity for Protons Reduction. <i>Advanced Functional Materials</i> , 2021, 31, 2105287.	7.8	21
11	First Synthesis of the Inherently Chiral <i>trans</i> -4,4'-Bisadduct of C ₅₉ N Azafullerene by Using Cyclo[2]dodecylmalonate as a Tether. <i>Chemistry - A European Journal</i> , 2021, 27, 13879-13886.	1.7	1
12	Chemically modified carbon nanostructures and 2D nanomaterials for fabrics performing under operational tension and extreme environmental conditions. <i>Materials Horizons</i> , 2021, 8, 3187-3200.	6.4	5
13	Functionalized Carbon Nanohorns as Drug Delivery Platforms. <i>Methods in Molecular Biology</i> , 2021, 2207, 13-24.	0.4	3
14	Robust coherent spin centers from stable azafullerene radicals entrapped in cycloparaphenylene rings. <i>Nanoscale</i> , 2021, 13, 19946-19955.	2.8	13
15	Pingpong Energy Transfer in kovalent verknüpfte Porphyrin-MoS ₂ Architekturen. <i>Angewandte Chemie</i> , 2020, 132, 4004-4009.	1.6	7
16	Pingpong Energy Transfer in Covalently Linked Porphyrin-MoS ₂ Architectures. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3976-3981.	7.2	31
17	New cationic heptamethinecyanine-graphene hybrid materials. <i>Dyes and Pigments</i> , 2020, 175, 108047.	2.0	2
18	In situ Growth and Immobilization of CdS Nanoparticles onto Functionalized MoS ₂ : Preparation, Characterization and Fabrication of Photoelectrochemical Cells. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2350-2356.	1.7	4

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19	Noble-Metal-Free Doped Carbon Nanomaterial Electrocatalysts. Chemistry - A European Journal, 2020, 26, 15397-15415.	1.7	28
20	Pyrene-functionalized tungsten disulfide as stable resistive photosensor. Materials Advances, 2020, 1, 2459-2466.	2.6	3
21	Covalently functionalized layered MoS ₂ supported Pd nanoparticles as highly active oxygen reduction electrocatalysts. Nanoscale, 2020, 12, 18278-18288.	2.8	13
22	Carbon Nanohorn-Based Electrocatalysts for Energy Conversion. Nanomaterials, 2020, 10, 1407.	1.9	22
23	Laser-Deposited Carbon Aerogel Derived from Graphene Oxide Enables NO ₂ -Selective Parts-per-Billion Sensing. ACS Applied Materials & Interfaces, 2020, 12, 39541-39548.	4.0	7
24	Emerging trends in one- and two-dimensional nanomaterials. Royal Society Open Science, 2020, 7, 201786.	1.1	1
25	Solution-phase molecular recognition of an azafullerene-quinoline dyad by a face-to-face porphyrin-dimer tweezer. RSC Advances, 2020, 10, 31720-31729.	1.7	1
26	Frontispiece: Noble-Metal-Free Doped Carbon Nanomaterial Electrocatalysts. Chemistry - A European Journal, 2020, 26, .	1.7	0
27	Sulfur-Doped Carbon Nanohorn Bifunctional Electrocatalyst for Water Splitting. Nanomaterials, 2020, 10, 2416.	1.9	7
28	Outer-Surface Covalent Functionalization of Carbon Nanohorn Spherical Aggregates Assessed by Highly Spatial-Resolved Energy-Dispersive X-ray Spectrometry in Scanning Electron Microscopy. Journal of Physical Chemistry C, 2020, 124, 25142-25147.	1.5	7
29	Chemical Functionalization of 2D Materials. Chemistry - A European Journal, 2020, 26, 6292-6295.	1.7	14
30	Boosting perovskite nanomorphology and charge transport properties <i>via</i> a functional Dâ€“f-A organic layer at the absorber/hole transporter interface. Nanoscale, 2020, 12, 15137-15149.	2.8	21
31	Covalently Functionalized MoS ₂ with Dithiolenes. , 2020, 2, 832-837.		23
32	Preparation, Photophysical and Electrochemical Evaluation of an Azaborondipyromethene/Zinc Porphyrin/Graphene Supramolecular Nanoensemble. Chemistry - A European Journal, 2020, 26, 6652-6661.	1.7	12
33	Pyrene Coating Transition Metal Disulfides as Protection from Photooxidation and Environmental Aging. Nanomaterials, 2020, 10, 363.	1.9	13
34	Bottom-Up Synthesized MoS ₂ Interfacing Polymer Carbon Nanodots with Electrocatalytic Activity for Hydrogen Evolution. Chemistry - A European Journal, 2020, 26, 6635-6642.	1.7	12
35	Stability Improvement and Performance Reproducibility Enhancement of Perovskite Solar Cells Following (FA/MA/Cs)PbI ₃ Br(CH ₃) ₃ SPbI ₃ Dimensionality Engineering. ACS Applied Energy Materials. 2020. 3, 2465-2477.	2.5	44
36	Functionalized graphene and targeted applications â€“ Highlighting the road from chemistry to applications. Progress in Materials Science, 2020, 114, 100683.	16.0	61

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37	A Long-lived Azafullerenyl Radical Stabilized by Supramolecular Shielding with a [10]Cycloparaphenylene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17745-17750.	7.2	41
38	Carbon nanohorn/liposome systems: Preformulation, design and in vitro toxicity studies. <i>Materials Science and Engineering C</i> , 2019, 105, 110114.	3.8	11
39	Template synthesis of defect-rich MoS ₂ -based assemblies as electrocatalytic platforms for hydrogen evolution reaction. <i>Chemical Communications</i> , 2019, 55, 2078-2081.	2.2	41
40	Integrating Water-Soluble Polythiophene with Transition-Metal Dichalcogenides for Managing Photoinduced Processes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5947-5956.	4.0	11
41	Core-shell Pd@M (M=Ni, Cu, Co) Nanoparticles/Graphene Ensembles with High Mass Electrocatalytic Activity Toward the Oxygen Reduction Reaction. <i>Chemistry - A European Journal</i> , 2019, 25, 11105-11113.	1.7	12
42	(Photo)electrocatalysis of molecular oxygen reduction by S-doped graphene decorated with a star-shaped oligothiophene. <i>Nanoscale</i> , 2019, 11, 7335-7346.	2.8	12
43	Functionalized MoS ₂ supported core-shell Ag@Au nanoclusters for managing electronic processes in photocatalysis. <i>Materials Research Bulletin</i> , 2019, 114, 112-120.	2.7	14
44	Excited-state Charge Transfer in Covalently Functionalized MoS ₂ with a Zinc Phthalocyanine Donor-Acceptor Hybrid. <i>Angewandte Chemie</i> , 2019, 131, 5768-5773.	1.6	19
45	Tether-Directed Regioselective Synthesis of an Equatorial face Bisadduct of Azafullerene Using Cyclohexylmalonate. <i>Chemistry - A European Journal</i> , 2019, 25, 5751-5756.	1.7	2
46	Sulfur-doped graphene/transition metal dichalcogenide heterostructured hybrids with electrocatalytic activity toward the hydrogen evolution reaction. <i>Nanoscale Advances</i> , 2019, 1, 1489-1496.	2.2	36
47	Excited-state Charge Transfer in Covalently Functionalized MoS ₂ with a Zinc Phthalocyanine Donor-Acceptor Hybrid. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5712-5717.	7.2	52
48	A Long-lived Azafullerenyl Radical Stabilized by Supramolecular Shielding with a [10]Cycloparaphenylene. <i>Angewandte Chemie</i> , 2019, 131, 17909-17914.	1.6	11
49	Bottom-up microwave-assisted preparation of poly(methacrylic acid)-MoS ₂ hybrid material. <i>Chemical Physics Letters</i> , 2019, 716, 1-5.	1.2	4
50	In My Element : Carbon. <i>Chemistry - A European Journal</i> , 2019, 25, 1117-1117.	1.7	0
51	Gas Sensing Using Monolayer MoS ₂ . <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2019, , 71-95.	0.5	1
52	Conjugated Polymer Nanoparticle-Graphene Oxide Charge Transfer Complexes. <i>Advanced Functional Materials</i> , 2018, 28, 1707548.	7.8	26
53	Electronic Communication between two [10]cycloparaphenylenes and Bis(azafullerene) (C ₅₉ N) ₂ Induced by Cooperative Complexation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6930-6934.	7.2	55
54	Elektronische Kommunikation zwischen zwei [10]Cycloparaphenylenen und Bisazafulleren (C ₅₉ N) ₂ induziert durch kooperative Komplexbildung. <i>Angewandte Chemie</i> , 2018, 130, 7046-7050.	1.6	23

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55	Ultralong 20 Milliseconds Charge Separation Lifetime for Photoilluminated Oligophenylenevinylene- <i>z</i> -Azafullerene Systems. <i>Advanced Functional Materials</i> , 2018, 28, 1702278.	7.8	8
56	Molecular Functionalization of Two-Dimensional MoS ₂ Nanosheets. <i>Chemistry - A European Journal</i> , 2018, 24, 18246-18257.	1.7	73
57	Interfacing Transition Metal Dichalcogenides with Carbon Nanodots for Managing Photoinduced Energy and Charge-Transfer Processes. <i>Journal of the American Chemical Society</i> , 2018, 140, 13488-13496.	6.6	45
58	Supramolecular-Enhanced Charge Transfer within Entangled Polyamide Chains as the Origin of the Universal Blue Fluorescence of Polymer Carbon Dots. <i>Journal of the American Chemical Society</i> , 2018, 140, 12862-12869.	6.6	242
59	Electronic Interactions in Illuminated Carbon Dot/MoS ₂ Ensembles and Electrocatalytic Activity towards Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2018, 24, 10468-10474.	1.7	33
60	Nitrogen-Doped Silver-Nanoparticle-Decorated Transition-Metal Dichalcogenides as Surface-Enhanced Raman Scattering Substrates for Sensing Polycyclic Aromatic Hydrocarbons. <i>ACS Applied Nano Materials</i> , 2018, 1, 3625-3635.	2.4	20
61	Electrostatic Association of Ammonium-Functionalized Layered-Transition-Metal Dichalcogenides with an Anionic Porphyrin. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23476-23480.	4.0	32
62	Sulfur-Doped Graphene-Supported Nickel-Core Palladium-Shell Nanoparticles as Efficient Oxygen Reduction and Methanol Oxidation Electrocatalyst. <i>ACS Applied Energy Materials</i> , 2018, 1, 3869-3880.	2.5	25
63	Interfacing tetrapyrridyl-C ₆₀ with porphyrin dimers <i>via</i> π -conjugated bridges: artificial photosynthetic systems with ultrafast charge separation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21269-21279.	1.3	10
64	Exfoliation and supramolecular functionalization of graphene with an electron donor peryleneimide derivative. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 596-605.	1.6	6
65	Case Study for Artificial Photosynthesis: Noncovalent Interactions between C ₆₀ -Dipyridyl and Zinc Porphyrin Dimer. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4850-4858.	1.5	18
66	Mechanistic insights into the photocatalytic properties of metal nanocluster/graphene ensembles. Examining the role of visible light in the reduction of 4-nitrophenol. <i>Nanoscale</i> , 2017, 9, 9685-9692.	2.8	26
67	Design and development of multi-walled carbon nanotube-liposome drug delivery platforms. <i>International Journal of Pharmaceutics</i> , 2017, 528, 429-439.	2.6	25
68	Transition-Metal Chalcogenide/Graphene Ensembles for Light-Induced Energy Applications. <i>Chemistry - A European Journal</i> , 2017, 23, 12967-12979.	1.7	38
69	Carbon quantum dots/block copolymer ensembles for metal-ion sensing and bioimaging. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5397-5402.	2.9	10
70	Recent advancements in metal-based hybrid electrocatalysts supported on graphene and related 2D materials for the oxygen reduction reaction. <i>Carbon</i> , 2017, 118, 493-510.	5.4	61
71	Frontispiece: Transition-Metal Chalcogenide/Graphene Ensembles for Light-Induced Energy Applications. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0
72	Axially Assembled Photosynthetic Antenna-Reaction Center Mimics Composed of Boron Dipyrromethenes, Aluminum Porphyrin, and Fullerene Derivatives. <i>Inorganic Chemistry</i> , 2017, 56, 10268-10280.	1.9	29

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73	Self-Assembled Core-Shell CdTe/Poly(3-hexylthiophene) Nanoensembles as Novel Donor-Acceptor Light-Harvesting Systems. ACS Applied Materials & Interfaces, 2017, 9, 44695-44703.	4.0	8
74	Considerations for spectroscopy of liquid-exfoliated 2D materials: emerging photoluminescence of N-methyl-2-pyrrolidone. Scientific Reports, 2017, 7, 16706.	1.6	33
75	Functionalization of MoS2 with 1,2-dithiolanes: toward donor-acceptor nano hybrids for energy conversion. Npj 2D Materials and Applications, 2017, 1, .	3.9	85
76	Spectromicroscopy of C60 and azafullerene C59N: Identifying surface adsorbed water. Scientific Reports, 2016, 6, 35605.	1.6	19
77	All-Carbon Nanosized Hybrid Materials: Fluorescent Carbon Dots Conjugated to Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2016, 120, 8550-8558.	1.5	15
78	Structure, Properties, Functionalization, and Applications of Carbon Nanohorns. Chemical Reviews, 2016, 116, 4850-4883.	23.0	345
79	[3 + 2] cycloaddition reaction of azomethine ylides generated by thermal ring opening of aziridines onto carbon nanohorns. RSC Advances, 2016, 6, 44782-44787.	1.7	11
80	Axially Substituted Silicon Phthalocyanine as Electron Donor in a Dyad and Triad with Azafullerene as Electron Acceptor for Photoinduced Charge Separation. Chemistry - A European Journal, 2016, 22, 15137-15143.	1.7	15
81	Fluorene-Perylene Diimide Arrays onto Graphene Sheets for Photocatalysis. ACS Applied Materials & Interfaces, 2016, 8, 21576-21584.	4.0	34
82	Individualized p-Doped Carbon Nanohorns. Angewandte Chemie, 2016, 128, 10624-10628.	1.6	2
83	Individualized p-Doped Carbon Nanohorns. Angewandte Chemie - International Edition, 2016, 55, 10468-10472.	7.2	17
84	Hybrids of Metal Nanoclusters and Graphene-Based Materials: Preparation, Properties and Applications. ChemNanoMat, 2016, 2, 1065-1072.	1.5	10
85	Azafullerene C ₅₉ N in Donor-Acceptor Dyads: Synthetic Approaches and Properties. Chemistry - A European Journal, 2016, 22, 1206-1214.	1.7	24
86	Photoinduced charge separation in an oligophenylenevinylene-based Hamilton-type receptor supramolecularly associating two C ₆₀ -barbiturate guests. Physical Chemistry Chemical Physics, 2016, 18, 811-817.	1.3	8
87	Single-Step Functionalization and Exfoliation of Graphene with Polymers under Mild Conditions. Chemistry - A European Journal, 2015, 21, 18841-18846.	1.7	10
88	Does a nitrogen matter? Synthesis and photoinduced electron transfer of perylenediimide donors covalently linked to C ₅₉ N and C ₆₀ acceptors. Nanoscale, 2015, 7, 7437-7444.	2.8	30
89	Non-covalent nanodiamond-polymer dispersions and electrostatic immobilization of bovine serum albumin protein. Materials Research Express, 2015, 2, 115005.	0.8	1
90	Functionalized multi-walled carbon nanotubes in an aldol reaction. Nanoscale, 2015, 7, 2750-2757.	2.8	19

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91	The impact of thienothiophene isomeric structures on the optoelectronic properties and photovoltaic performance in quinoxaline based donor-acceptor copolymers. <i>Polymer Chemistry</i> , 2015, 6, 3098-3109.	1.9	24
92	Conjugating proline derivatives onto multi-walled carbon nanotubes: Preparation, characterization and catalytic activity in water. <i>Materials Letters</i> , 2015, 157, 212-214.	1.3	15
93	Exfoliated semiconducting pure 2H-MoS ₂ and 2H-Ws ₂ assisted by chlorosulfonic acid. <i>Chemical Communications</i> , 2015, 51, 12950-12953.	2.2	127
94	Reductive dismantling and functionalization of carbon nanohorns. <i>Chemical Communications</i> , 2015, 51, 5017-5019.	2.2	18
95	Multichromophores Onto Graphene: Supramolecular Non-Covalent Approaches for Efficient Light Harvesting. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8046-8053.	1.5	17
96	Oligothiophene/graphene supramolecular ensembles managing light induced processes: preparation, characterization, and femtosecond transient absorption studies leading to charge-separation. <i>Nanoscale</i> , 2015, 7, 15840-15851.	2.8	11
97	Tuning the reorganization energy of electron transfer in supramolecular ensembles of metalloporphyrin, oligophenylenevinylenes, and fullerene and the impact on electron transfer kinetics. <i>Nanoscale</i> , 2015, 7, 2597-2608.	2.8	50
98	Non-covalent Graphene/Polymer Functional Materials. <i>Current Organic Chemistry</i> , 2015, 19, 1800-1818.	0.9	6
99	Azafullerene-based donor-acceptor dyads. <i>Arkivoc</i> , 2015, 2015, 124-139.	0.3	8
100	Supramolecular Association of Oligophenylenevinylene-based Hamilton Receptor and Fullerene-based Cyanurate via Multiple Hydrogen Bonding. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014, 22, 88-98.	1.0	2
101	A New Approach for the Photosynthetic Antenna-Reaction Center Complex with a Model Organized Around an <i>s</i> -Triazine Linker. <i>Chemistry - A European Journal</i> , 2014, 20, 2049-2057.	1.7	17
102	Photocatalytic applications with CdS block copolymer/exfoliated graphene nanoensembles: hydrogen generation and degradation of Rhodamine B. <i>Nanotechnology</i> , 2014, 25, 445404.	1.3	4
103	Organic-Inorganic Azafullerene-Gold C ₅₉ -Au Nanohybrid: Synthesis, Characterization, and Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 14729-14735.	1.7	4
104	Isolation and characterization of [5,6]-pyrrolidino-Sc ₃ N@h-C ₈₀ diastereomers. <i>Chemical Communications</i> , 2014, 50, 12552-12555.	2.2	15
105	Fullerene-proline hybrids: Synthesis, characterization and organocatalytic properties in aldol reactions. <i>Materials Letters</i> , 2014, 137, 343-346.	1.3	17
106	Photocatalytic application of nanosized CdS immobilized onto functionalized MWCNTs. <i>Dalton Transactions</i> , 2014, 43, 7429.	1.6	19
107	Nitrogen implantation of suspended graphene flakes: Annealing effects and selectivity of sp ² nitrogen species. <i>Carbon</i> , 2014, 73, 371-381.	5.4	68
108	Donor-acceptor graphene-based hybrid materials facilitating photo-induced electron-transfer reactions. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1580-1589.	1.5	42

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109	Benzyne cycloaddition onto carbon nanohorns. <i>Nanoscale</i> , 2013, 5, 6388.	2.8	17
110	A corroleâ€“azafullerene dyad: synthesis, characterization, electronic interactions and photoinduced charge separation. <i>Chemical Communications</i> , 2013, 49, 9128.	2.2	30
111	Ultrasonication Induces Oxygenated Species and Defects onto Exfoliated Graphene. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23272-23278.	1.5	117
112	Chemical Functionalization of Exfoliated Graphene. <i>Chemistry - A European Journal</i> , 2013, 19, 12930-12936.	1.7	41
113	Photoemission study of the electronic structure of azafullerene encapsulated single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2013, 570, 100-103.	1.2	2
114	NEXAFS spectromicroscopy of suspended carbon nanohorns. <i>Chemical Physics Letters</i> , 2013, 587, 85-87.	1.2	8
115	Rational design on n-type organic materials for high performance organic photovoltaics. <i>RSC Advances</i> , 2013, 3, 7160.	1.7	138
116	New hybrid materials with porphyrin-ferrocene and porphyrin-pyrene covalently linked to single-walled carbon nanotubes. <i>RSC Advances</i> , 2013, 3, 5539.	1.7	13
117	Photoinduced Chargeâ€“Transfer Interactions on a Graphene/Block Copolymer Electrostatically Bound to Tetracationic Porphyrin in Aqueous Media. <i>Chemistry - A European Journal</i> , 2013, 19, 9286-9290.	1.7	17
118	Immobilized CdS Nanoparticles on Poly(amidoamine)-Functionalized MWCNTs. <i>ECS Journal of Solid State Science and Technology</i> , 2013, 2, M3023-M3027.	0.9	1
119	Functionalization of Graphene. <i>World Scientific Series on Carbon Nanoscience</i> , 2012, , 1-54.	0.1	1
120	Zinc Phthalocyanineâ€“Graphene Hybrid Material for Energy Conversion: Synthesis, Characterization, Photophysics, and Photoelectrochemical Cell Preparation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20564-20573.	1.5	110
121	Graphene exfoliation in organic solvents and switching solubility in aqueous media with the aid of amphiphilic block copolymers. <i>Journal of Materials Chemistry</i> , 2012, 22, 21507.	6.7	77
122	Carbon Nanohornâ€“Porphyrin Dimer Hybrid Material for Enhancing Light-Energy Conversion. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9439-9449.	1.5	52
123	Azafullerene C ₅₉ Nâ€“Phthalocyanine Dyad: Synthesis, Characterisation and Photoinduced Electron Transfer. <i>ChemPhysChem</i> , 2012, 13, 1246-1254.	1.0	21
124	Direct evidence for covalent functionalization of carbon nanohorns by high-resolution electron microscopy imaging of C60 conjugated onto their skeleton. <i>Carbon</i> , 2012, 50, 3909-3914.	5.4	11
125	Microwave-assisted functionalization of carbon nanohornsvia [2+1] nitrenes cycloaddition. <i>Chemical Communications</i> , 2011, 47, 1604-1606.	2.2	22
126	Graphene oxide with covalently linked porphyrin antennae: Synthesis, characterization and photophysical properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 109-117.	6.7	232

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127	Microwave-assisted Functionalization of Carbon Nanostructured Materials. <i>Current Organic Chemistry</i> , 2011, 15, 1121-1132.	0.9	20
128	Synthesis, characterization, and photophysical properties of a carbon nanohorn-coumarin hybrid material. <i>Chemical Physics Letters</i> , 2011, 516, 76-81.	1.2	11
129	Origin of the n-type transport behavior of azafullerene encapsulated single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2011, 99, 053105.	1.5	4
130	Host-guest interactions in azafullerene (C ₅₉ N)-single-wall carbon nanotube (SWCNT) peapod hybrid structures. <i>Chemical Communications</i> , 2010, 46, 1293.	2.2	22
131	Current Progress on the Chemical Modification of Carbon Nanotubes. <i>Chemical Reviews</i> , 2010, 110, 5366-5397.	23.0	1,186
132	Exfoliation and Chemical Modification Using Microwave Irradiation Affording Highly Functionalized Graphene. <i>ACS Nano</i> , 2010, 4, 7499-7507.	7.3	150
133	Polymer Covalent Functionalization of Carbon Nanohorns Using Bulk Free Radical Polymerization. <i>Chemistry - A European Journal</i> , 2010, 16, 5927-5933.	1.7	15
134	Fullerene-Coumarin Dyad as a Selective Metal Receptor: Synthesis, Photophysical Properties, Electrochemistry and Ion Binding Studies. <i>Chemistry - A European Journal</i> , 2010, 16, 11969-11976.	1.7	16
135	Molecular recognition of La@C ₈₂ endohedral metallofullerene by an isophthaloyl-bridged porphyrin dimer. <i>Tetrahedron Letters</i> , 2010, 51, 5896-5899.	0.7	16
136	Porphyrin counter anion in imidazolium-modified graphene-oxide. <i>Carbon</i> , 2010, 48, 854-860.	5.4	93
137	Chemically Induced, Thermally Controlled Peel-Off of the External Walls of Double-Walled Carbon Nanotubes. <i>Small</i> , 2010, 6, 2826-2831.	5.2	2
138	Carbon nanotubes: Chemically Induced, Thermally Controlled Peel-Off of the External Walls of Double-Walled Carbon Nanotubes (<i>Small</i> 24/2010). <i>Small</i> , 2010, 6, 2774-2774.	5.2	1
139	Linear and nonlinear optical properties of triphenylamine-functionalized C ₆₀ : insights from theory and experiment. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 373-381.	1.3	42
140	Imidazolium modified carbon nanohorns: switchable solubility and stabilization of metal nanoparticles. <i>Journal of Materials Chemistry</i> , 2010, 20, 2959.	6.7	22
141	Microwave assisted covalent functionalization of C ₆₀ @SWCNT peapods. <i>Chemical Communications</i> , 2010, 46, 9110.	2.2	16
142	Properties, applications and functionalisation of carbon nanohorns. <i>International Journal of Nanotechnology</i> , 2009, 6, 176.	0.1	56
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