Maurizio Prato

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/6639860/maurizio-prato-publications-by-year.pdf
Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

733 papers	65,504 citations	115 h-index	231 g-index
864 ext. papers	70,852 ext. citations	9.3 avg, IF	7.92 L-index

#	Paper	IF	Citations
733	Fast Visible-Light Photopolymerization in the Presence of Multiwalled Carbon Nanotubes: Toward 3D Printing Conducting Nanocomposites.. *ACS Macro Letters*, **2022**, 11, 303-309	6.6	3
732	New insights into the exploitation of oxidized carbon nitrides as heterogeneous base catalysts. *Inorganica Chimica Acta*, **2022**, 531, 120732	2.7	1
731	Bioresponsive, Electroactive, and Inkjet-Printable Graphene-Based Inks. *Advanced Functional Materials*, **2022**, 32, 2105028	15.6	5
730	Protein-based (bio)materials: a way toward high-performance graphene enzymatic biosensors. *Journal of Materials Chemistry C*, **2022**, 10, 5466-5473	7.1	0
729	A multifunctional chemical toolbox to engineer carbon dots for biomedical and energy applications.. *Nature Nanotechnology*, **2022**, 17, 112-130	28.7	49
728	Is airborne graphene oxide a possible hazard for the sexual reproduction of wind-pollinated plants?. *Science of the Total Environment*, **2022**, 154625	10.2	0
727	The era of nano-bionic: 2D materials for wearable and implantable body sensors.. *Advanced Drug Delivery Reviews*, **2022**, 114315	18.5	3
726	Hazard assessment of abraded thermoplastic composites reinforced with reduced graphene oxide. *Journal of Hazardous Materials*, **2022**, 435, 129053	12.8	2
725	CARBON-BASED nanomaterials and SKIN: An overview. *Carbon*, **2022**, 196, 683-698	10.4	1
724	Bidirectional Modulation of Neuronal Cells Electrical and Mechanical Properties Through Pristine and Functionalized Graphene Substrates.. *Frontiers in Neuroscience*, **2021**, 15, 811348	5.1	0
723	Electrocatalytic CO2 reduction: role of the cross-talk at nano-carbon interfaces. *Energy and Environmental Science*, **2021**, 14, 5816-5833	35.4	3
722	Suspended graphene arrays for gas sensing applications. *2D Materials*, **2021**, 8, 025006	5.9	5
721	Metal Nanoparticles/MoS Surface-Enhanced Raman Scattering-Based Sandwich Immunoassay for □-Fetoprotein Detection. *ACS Applied Materials & Interfaces*, **2021**, 13, 8823-8831	9.5	11
720	Optical processes in carbon nanocolloids. *CheM*, **2021**, 7, 606-628	16.2	27
719	Metal-Free Photocatalysis: Two-Dimensional Nanomaterial Connection toward Advanced Organic Synthesis. *ACS Nano*, **2021**, 15, 3621-3630	16.7	26
718	Lighting up the Electrochemiluminescence of Carbon Dots through Pre- and Post-Synthetic Design. *Advanced Science*, **2021**, 8, 2100125	13.6	12
717	3D Printable Conducting and Biocompatible PEDOT-graft-PLA Copolymers by Direct Ink Writing. *Macromolecular Rapid Communications*, **2021**, 42, e2100100	4.8	12

716	Snapshots into carbon dots formation through a combined spectroscopic approach. *Nature Communications*, **2021**, 12, 2640	17.4	28
715	Microwave-Assisted 1,3-Dipolar Cycloaddition of Azomethine Ylides to [60]Fullerene: Thermodynamic Control of Bis-Addition with Ionic Liquids Additives. *European Journal of Organic Chemistry*, **2021**, 2021, 3545-3551	3.2	1
714	Light-Controlled Regioselective Synthesis of Fullerene Bis-Adducts. *Angewandte Chemie - International Edition*, **2021**, 60, 313-320	16.4	8
713	Light-Controlled Regioselective Synthesis of Fullerene Bis-Adducts. *Angewandte Chemie*, **2021**, 133, 317-324	3.6	2
712	2D materials production and generation of functional inks: general discussion. *Faraday Discussions*, **2021**, 227, 141-162	3.6	2
711	Nanocellulose/Fullerene Hybrid Films Assembled at the Air/Water Interface as Promising Functional Materials for Photo-electrocatalysis. *Polymers*, **2021**, 13,	4.5	3
710	Use of Perylene Diimides in Synthetic Photochemistry. *European Journal of Organic Chemistry*, **2021**, 2021, 1193-1200	3.2	6
709	Concluding remarks: Chemistry of 2-dimensional materials: beyond graphene. *Faraday Discussions*, **2021**, 227, 383-395	3.6	1
708	Tailored amorphization of graphitic carbon nitride triggers superior photocatalytic C□ coupling towards the synthesis of perfluoroalkyl derivatives. *Materials Chemistry Frontiers*, **2021**, 5, 7267-7275	7.8	3
707	Engineering Functional Nanomaterials Through the Amino Group **2021**, 285-340		
706	Graphene environmental biodegradation: Wood degrading and saprotrophic fungi oxidize few-layer graphene. *Journal of Hazardous Materials*, **2021**, 414, 125553	12.8	5
705	Turning the Light on Phenols: New Opportunities in Organic Synthesis. *Chemistry - A European Journal*, **2021**, 27, 16062-16070	4.8	5
704	Agarose-Based Fluorescent Waveguide with Embedded Silica Nanoparticle□Carbon Nanodot Hybrids for pH Sensing. *ACS Applied Nano Materials*, **2021**, 4, 9738-9751	5.6	3
703	Localized and Surface Plasmons Coupling for Ultrasensitive Dopamine Detection by means of SPR-Based Perylene Bisimide/Au Nanostructures Thin Film. *Advanced Materials Interfaces*, **2021**, 8, 2101023	4.6	0
702	Carbon nanotubes for cardiac tissue regeneration: State of the art and perspectives. *Carbon*, **2021**, 184, 641-650	10.4	4
701	Carbon-dots conductometric sensor for high performance gas sensing. *Carbon Trends*, **2021**, 5, 100105	0	3
700	New trends in nonconventional carbon dot synthesis. *Trends in Chemistry*, **2021**,	14.8	6
699	2D and 3D Immobilization of Carbon Nanomaterials into PEDOT via Electropolymerization of a Functional Bis-EDOT Monomer. *Polymers*, **2021**, 13,	4.5	1

698	Electrochemiluminescent immunoassay enhancement driven by carbon nanotubes. *Chemical Communications*, **2021**, 57, 9672-9675	5.8	3
697	Influence of the chirality of carbon nanodots on their interaction with proteins and cells. *Nature Communications*, **2021**, 12, 7208	17.4	5
696	Toward Spontaneous Neuronal Differentiation of SH-SY5Y Cells Using Novel Three-Dimensional Electropolymerized Conductive Scaffolds. *ACS Applied Materials & Interfaces*, **2020**, 12, 57330-57342	9.5	8
695	Intracerebral Injection of Graphene Oxide Nanosheets Mitigates Microglial Activation Without Inducing Acute Neurotoxicity: A Pilot Comparison to Other Nanomaterials. *Small*, **2020**, 16, e2004029	11	7
694	Graphene, other carbon nanomaterials and the immune system: toward nanoimmunity-by-design. *JPhys Materials*, **2020**, 3, 034009	4.2	20
693	Tailoring the sensing abilities of carbon nanodots obtained from olive solid wastes. *Carbon*, **2020**, 167, 696-708	10.4	17
692	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. *Nature Nanotechnology*, **2020**, 15, 164-166	28.7	40
691	Supramolecular Chiral Discrimination of D-Phenylalanine Amino Acid Based on a Perylene Bisimide Derivative. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 160	5.8	8
690	Carbon Dots as Nano-Organocatalysts for Synthetic Applications. *ACS Catalysis*, **2020**, 10, 8090-8105	13.1	49
689	Concise, Single-Step Synthesis of Sulfur-Enriched Graphene: Immobilization of Molecular Clusters and Battery Applications. *Angewandte Chemie - International Edition*, **2020**, 59, 7836-7841	16.4	10
688	Tuning Neuronal Circuit Formation in 3D Polymeric Scaffolds by Introducing Graphene at the Bio/Material Interface. *Advanced Biology*, **2020**, 4, e1900233	3.5	8
687	Into the carbon: A matter of core and shell in advanced electrocatalysis. *APL Materials*, **2020**, 8, 020905	5.7	8
686	Beyond graphene oxide acidity: Novel insights into graphene related materials effects on the sexual reproduction of seed plants. *Journal of Hazardous Materials*, **2020**, 393, 122380	12.8	6
685	Photocatalytically Active Graphitic Carbon Nitride as an Effective and Safe 2D Material for In Vitro and In Vivo Photodynamic Therapy. *Small*, **2020**, 16, e1904619	11	35
684	Mass spectrometry of carbohydrate-protein interactions on a glycan array conjugated to CVD graphene surfaces. *2D Materials*, **2020**, 7, 024003	5.9	6
683	Production and processing of graphene and related materials. *2D Materials*, **2020**, 7, 022001	5.9	179
682	Symmetry-Breaking Charge-Transfer Chromophore Interactions Supported by Carbon Nanodots. *Angewandte Chemie - International Edition*, **2020**, 59, 12779-12784	16.4	14
681	Promises, Facts and Challenges for Carbon Nanotubes in Imaging and Therapeutics **2020**, 383-402		

680	Mapping the Surface Groups of Amine-Rich Carbon Dots Enables Covalent Catalysis in Aqueous Media. *CheM*, **2020**, 6, 3022-3037	16.2	13
679	Functional rewiring across spinal injuries via biomimetic nanofiber scaffolds. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 25212-25218	11.5	8
678	Skin irritation potential of graphene-based materials using a non-animal test. *Nanoscale*, **2020**, 12, 610-622	7.7	21
677	Photoelectrochemical Properties of SnO Photoanodes Sensitized by Cationic Perylene-Di-Imide Aggregates for Aqueous HBr Splitting. *Journal of Physical Chemistry C*, **2020**, 124, 1317-1329	3.8	8
676	Tailored Methodology Based on Vapor Phase Polymerization to Manufacture PEDOT/CNT Scaffolds for Tissue Engineering. *ACS Biomaterials Science and Engineering*, **2020**, 6, 1269-1278	5.5	21
675	Keratinocytes are capable of selectively sensing low amounts of graphene-based materials: Implications for cutaneous applications. *Carbon*, **2020**, 159, 598-610	10.4	7
674	Novel idebenone analogs block Shc's access to insulin receptor to improve insulin sensitivity. *Biomedicine and Pharmacotherapy*, **2020**, 132, 110823	7.5	1
673	Improving 2D-organization of fullerene Langmuir-Schäfer thin films by interaction with cellulose nanocrystals. *Carbon*, **2020**, 167, 906-917	10.4	8
672	Electrochemically controlled cleavage of imine bonds on a graphene platform: towards new electro-responsive hybrids for drug release. *Nanoscale*, **2020**, 12, 23824-23830	7.7	6
671	Light-driven, heterogeneous organocatalysts for C-C bond formation toward valuable perfluoroalkylated intermediates. *Science Advances*, **2020**, 6,	14.3	28
670	Targeting G Protein-Coupled Receptors with Magnetic Carbon Nanotubes: The Case of the A Adenosine Receptor. *ChemMedChem*, **2020**, 15, 1909-1920	3.7	2
669	Ecotoxicological impact of graphene oxide: toxic effects on the model organism Artemia franciscana. *Environmental Science: Nano*, **2020**, 7, 3605-3615	7.1	5
668	Synthesis and excited state processes of arrays containing amine-rich carbon dots and unsymmetrical rylene diimides. *Materials Chemistry Frontiers*, **2020**, 4, 3640-3648	7.8	9
667	Effects of Few-Layer Graphene on the Sexual Reproduction of Seed Plants: An In Vivo Study with L. *Nanomaterials*, **2020**, 10,	5.4	3
666	Partial Reversibility of the Cytotoxic Effect Induced by Graphene-Based Materials in Skin Keratinocytes. *Nanomaterials*, **2020**, 10,	5.4	3
665	Synthesis and applications of amino-functionalized carbon nanomaterials. *Chemical Communications*, **2020**, 56, 12698-12716	5.8	14
664	Water-Mediated ElectroHydrogenation of CO2 at Near-Equilibrium Potential by Carbon Nanotubes/Cerium Dioxide Nanohybrids. *ACS Applied Energy Materials*, **2020**, 3, 8509-8518	6.1	7
663	Symmetry-Breaking Charge-Transfer Chromophore Interactions Supported by Carbon Nanodots. *Angewandte Chemie*, **2020**, 132, 12879-12884	3.6	3

662	Concise, Single-Step Synthesis of Sulfur-Enriched Graphene: Immobilization of Molecular Clusters and Battery Applications. *Angewandte Chemie*, **2020**, 132, 7910-7915	3.6	2
661	Preparation, functionalization and characterization of engineered carbon nanodots. *Nature Protocols*, **2019**, 14, 2931-2953	18.8	52
660	Ex-Solution Synthesis of Sub-5-nm FeOx Nanoparticles on Mesoporous Hollow N,O-Doped Carbon Nanoshells for Electrocatalytic Oxygen Reduction. *ACS Applied Nano Materials*, **2019**, 2, 6092-6097	5.6	20
659	Singlet oxygen photo-production by perylene bisimide derivative Langmuir-Schaefer films for photodynamic therapy applications. *Journal of Colloid and Interface Science*, **2019**, 553, 390-401	9.3	8
658	Visible-Light-Mediated Iodoperfluoroalkylation of Alkenes in Flow and Its Application to the Synthesis of a Key Fulvestrant Intermediate. *Organic Letters*, **2019**, 21, 5341-5345	6.2	49
657	Biocompatibility and biodegradability of 2D materials: graphene and beyond. *Chemical Communications*, **2019**, 55, 5540-5546	5.8	108
656	Gold Nanoparticle-Functionalized Reverse Thermal Gel for Tissue Engineering Applications. *ACS Applied Materials & Interfaces*, **2019**, 11, 18671-18680	9.5	29
655	Advanced carbon nanomaterials for electrochemiluminescent biosensor applications. *Current Opinion in Electrochemistry*, **2019**, 16, 66-74	7.2	47
654	Carbon nanodot-based heterostructures for improving the charge separation and the photocurrent generation. *Nanoscale*, **2019**, 11, 7414-7423	7.7	16
653	Cross-Linked Carbon Nanotube Adsorbents for Water Treatment: Tuning the Sorption Capacity through Chemical Functionalization. *ACS Applied Materials & Interfaces*, **2019**, 11, 12920-12930	9.5	29
652	The use of functionalized carbon xerogels in cells growth. *Materials Science and Engineering C*, **2019** , 100, 598-607	8.3	6
651	Perylene Bisimide Aggregates as Probes for Subnanomolar Discrimination of Aromatic Biogenic Amines. *ACS Applied Materials & Interfaces*, **2019**, 11, 17079-17089	9.5	27
650	Graphene Oxide Flakes Tune Excitatory Neurotransmission in Vivo by Targeting Hippocampal Synapses. *Nano Letters*, **2019**, 19, 2858-2870	11.5	26
649	A Recyclable Chiral 2-(Triphenylmethyl)pyrrolidine Organocatalyst Anchored to [60]Fullerene. *Advanced Synthesis and Catalysis*, **2019**, 361, 2936-2944	5.6	8
648	Carbon Nanostructures in Rotaxane Architectures. *European Journal of Organic Chemistry*, **2019**, 2019, 3371-3383	3.2	11
647	Highly Performing Iodoperfluoroalkylation of Alkenes Triggered by the Photochemical Activity of Perylene Diimides. *ChemPhotoChem*, **2019**, 3, 193-197	3.3	24
646	The Rise of Hydrogen Peroxide as the Main Product by Metal-Free Catalysis in Oxygen Reductions. *Advanced Materials*, **2019**, 31, e1802920	24	142
645	Solar-driven chemistry: towards new catalytic solutions for a sustainable world. *Rendiconti Lincei*, **2019**, 30, 443-452	1.7	13

644	High-Yield Preparation of Exfoliated 1T-MoS2 with SERS Activity. *Chemistry of Materials*, **2019**, 31, 5725-5734	9.8	72
643	Design, Synthesis, and Functionalization Strategies of Tailored Carbon Nanodots. *Accounts of Chemical Research*, **2019**, 52, 2070-2079	24.3	96
642	Chemically Cross-Linked Carbon Nanotube Films Engineered to Control Neuronal Signaling. *ACS Nano*, **2019**, 13, 8879-8889	16.7	15
641	Graphene-based materials do not impair physiology, gene expression and growth dynamics of the aeroterrestrial microalga. *Nanotoxicology*, **2019**, 13, 492-509	5.3	8
640	Use of Nitrogen-Doped Carbon Nanodots for the Photocatalytic Fluoroalkylation of Organic Compounds. *Chemistry - A European Journal*, **2019**, 25, 16032	4.8	18
639	Selective Electrocatalytic H O Generation by Cobalt@N-Doped Graphitic Carbon Core-Shell Nanohybrids. *ChemSusChem*, **2019**, 12, 1664-1672	8.3	26
638	Controlling Size-Dispersion of Single Walled Carbon Nanotubes by Interaction with Polyoxometalates Armed with a Tryptophan Tweezer. *European Journal of Inorganic Chemistry*, **2019**, 2019, 374-379	2.3	4
637	Properties and behavior of carbon nanomaterials when interfacing neuronal cells: How far have we come?. *Carbon*, **2019**, 143, 430-446	10.4	80
636	The reactivity of reduced graphene depends on solvation. *2D Materials*, **2019**, 6, 025009	5.9	10
635	Hierarchical organization of perylene bisimides and polyoxometalates for photo-assisted water oxidation. *Nature Chemistry*, **2019**, 11, 146-153	17.6	77
634	Customizing the Electrochemical Properties of Carbon Nanodots by Using Quinones in Bottom-Up Synthesis. *Angewandte Chemie*, **2018**, 130, 5156-5161	3.6	14
633	Customizing the Electrochemical Properties of Carbon Nanodots by Using Quinones in Bottom-Up Synthesis. *Angewandte Chemie - International Edition*, **2018**, 57, 5062-5067	16.4	42
632	The idebenone metabolite QS10 restores electron transfer in complex I and coenzyme Q defects. *Biochimica Et Biophysica Acta - Bioenergetics*, **2018**, 1859, 901-908	4.6	19
631	Pd@TiO2/carbon nanohorn electrocatalysts: reversible CO2 hydrogenation to formic acid. *Energy and Environmental Science*, **2018**, 11, 1571-1580	35.4	37
630	Magnetic shepherding of nanocatalysts through hierarchically-assembled Fe-filled CNTs hybrids. *Applied Catalysis B: Environmental*, **2018**, 227, 356-365	21.8	23
629	Production of ready-to-use few-layer graphene in aqueous suspensions. *Nature Protocols*, **2018**, 13, 495-506	10.8	54
628	Screening Supramolecular Interactions between Carbon Nanodots and Porphyrins. *Journal of the American Chemical Society*, **2018**, 140, 904-907	16.4	44
627	Nitrogen-Doped Carbon Nanodots-Ionogels: Preparation, Characterization, and Radical Scavenging Activity. *ACS Nano*, **2018**, 12, 1296-1305	16.7	57

626	A water-soluble, bay-functionalized perylenediimide derivative - correlating aggregation and excited state dynamics. *Nanoscale*, **2018**, 10, 2317-2326	7.7	8
625	Microwave-induced covalent functionalization of few-layer graphene with arynes under solvent-free conditions. *Chemical Communications*, **2018**, 54, 2086-2089	5.8	22
624	Gas-Phase Functionalization of Macroscopic Carbon Nanotube Fiber Assemblies: Reaction Control, Electrochemical Properties, and Use for Flexible Supercapacitors. *ACS Applied Materials & Interfaces*, **2018**, 10, 5760-5770	9.5	42
623	N-Doped Graphitized Carbon Nanohorns as a Forefront Electrocatalyst in Highly Selective O2 Reduction to H2O2. *CheM*, **2018**, 4, 106-123	16.2	209
622	Tuning the Carbon Nanotube Selectivity: Optimizing Reduction Potentials and Distortion Angles in Perylenediimides. *Journal of the American Chemical Society*, **2018**, 140, 5427-5433	16.4	12
621	Nanostructures to Engineer 3D Neural-Interfaces: Directing Axonal Navigation toward Successful Bridging of Spinal Segments. *Advanced Functional Materials*, **2018**, 28, 1700550	15.6	17
620	Nanostructured carbon supported Pd-ceria as anode catalysts for anion exchange membrane fuel cells fed with polyalcohols. *Inorganica Chimica Acta*, **2018**, 470, 213-220	2.7	13
619	Sculpting neurotransmission during synaptic development by 2D nanostructured interfaces. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 2521-2532	6	21
618	High-yield production of 2D crystals by wet-jet milling. *Materials Horizons*, **2018**, 5, 890-904	14.4	92
617	Ionic liquids plus microwave irradiation: a general methodology for the retro-functionalization of single-walled carbon nanotubes. *Nanoscale*, **2018**, 10, 15782-15787	7.7	5
616	Design principles of chiral carbon nanodots help convey chirality from molecular to nanoscale level. *Nature Communications*, **2018**, 9, 3442	17.4	104
615	Nitrogen-doped carbon nanodots for bioimaging and delivery of paclitaxel. *Journal of Materials Chemistry B*, **2018**, 6, 5540-5548	7.3	105
614	Occupational exposure to graphene based nanomaterials: risk assessment. *Nanoscale*, **2018**, 10, 15894-15903	7.7	46
613	Inter-Backbone Charge Transfer as Prerequisite for Long-Range Conductivity in Perylene Bisimide Hydrogels. *ACS Nano*, **2018**, 12, 5800-5806	16.7	4
612	Single-layer graphene modulates neuronal communication and augments membrane ion currents. *Nature Nanotechnology*, **2018**, 13, 755-764	28.7	78
611	Graphene and graphene oxide induce ROS production in human HaCaT skin keratinocytes: the role of xanthine oxidase and NADH dehydrogenase. *Nanoscale*, **2018**, 10, 11820-11830	7.7	70
610	Three-Dimensional Conductive Scaffolds as Neural Prostheses Based on Carbon Nanotubes and Polypyrrole. *ACS Applied Materials & Interfaces*, **2018**, 10, 43904-43914	9.5	29
609	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. *ACS Nano*, **2018**, 12, 10582-10620	16.7	292

608	3D Carbon-Nanotube-Based Composites for Cardiac Tissue Engineering.. *ACS Applied Bio Materials*, **2018**, 1, 1530-1537	4.1	41
607	Oxidized Nanocarbons-Tripeptide Supramolecular Hydrogels: Shape Matters!. *ACS Nano*, **2018**, 12, 5530-5538	13.7	44
606	Metal-free dual-phase full organic carbon nanotubes/g-C3N4 heteroarchitectures for photocatalytic hydrogen production. *Nano Energy*, **2018**, 50, 468-478	17.1	87
605	Graphene oxide impairs the pollen performance of Nicotiana tabacum and Corylus avellana suggesting potential negative effects on the sexual reproduction of seed plants. *Environmental Science: Nano*, **2018**, 5, 1608-1617	7.1	14
604	Ruthenium based photosensitizer/catalyst supramolecular architectures in light driven water oxidation. *Inorganica Chimica Acta*, **2017**, 454, 171-175	2.7	15
603	Nanocrystalline cellulose-fullerene: Novel conjugates. *Carbohydrate Polymers*, **2017**, 164, 92-101	10.3	15
602	How much does size really matter? Exploring the limits of graphene as Li ion battery anode material. *Solid State Communications*, **2017**, 251, 88-93	1.6	25
601	Few-Layer Graphene Kills Selectively Tumor Cells from Myelomonocytic Leukemia Patients. *Angewandte Chemie - International Edition*, **2017**, 56, 3014-3019	16.4	48
600	Differential cytotoxic effects of graphene and graphene oxide on skin keratinocytes. *Scientific Reports*, **2017**, 7, 40572	4.9	112
599	Few-Layer Graphene Kills Selectively Tumor Cells from Myelomonocytic Leukemia Patients. *Angewandte Chemie*, **2017**, 129, 3060-3065	3.6	5
598	Nanoscience and Nanotechnology Cross Borders. *ACS Nano*, **2017**, 11, 1123-1126	16.7	3
597	Effect of the fullerene in the properties of thin PEDOT/C60 films obtained by co-electrodeposition. *Inorganica Chimica Acta*, **2017**, 468, 239-244	2.7	6
596	Multichromophoric hybrid species made of perylene bisimide derivatives and Ru(ii) and Os(ii) polypyridine subunits. *Physical Chemistry Chemical Physics*, **2017**, 19, 14055-14065	3.6	1
595	Interfacial charge transfer in functionalized multi-walled carbon nanotube@TiO nanofibres. *Nanoscale*, **2017**, 9, 7911-7921	7.7	43
594	Primary microglia maintain their capacity to function despite internalisation and intracellular loading with carbon nanotubes. *Nanoscale Horizons*, **2017**, 2, 284-296	10.8	7
593	Top-down and bottom-up approaches to transparent, flexible and luminescent nitrogen-doped carbon nanodot-clay hybrid films. *Nanoscale*, **2017**, 9, 10256-10262	7.7	33
592	Nanomaterials for stimulating nerve growth. *Science*, **2017**, 356, 1010-1011	33.3	53
591	Structural and optical properties of a perylene bisimide in aqueous media. *Chemical Physics Letters*, **2017**, 683, 454-458	2.5	6

590	Rationally Designed Carbon Nanodots towards Pure White-Light Emission. *Angewandte Chemie*, **2017**, 129, 4234-4237	3.6	16
589	Innenr□ktitelbild: Amine-Rich Nitrogen-Doped Carbon Nanodots as a Platform for Self-Enhancing Electrochemiluminescence (Angew. Chem. 17/2017). *Angewandte Chemie*, **2017**, 129, 4971-4971	3.6	1
588	Rationally Designed Carbon Nanodots towards Pure White-Light Emission. *Angewandte Chemie - International Edition*, **2017**, 56, 4170-4173	16.4	76
587	Diverse Applications of Nanomedicine. *ACS Nano*, **2017**, 11, 2313-2381	16.7	714
586	Direct visualization of carbon nanotube degradation in primary cells by photothermal imaging. *Nanoscale*, **2017**, 9, 4642-4645	7.7	23
585	Amine-Rich Nitrogen-Doped Carbon Nanodots as a Platform for Self-Enhancing Electrochemiluminescence. *Angewandte Chemie - International Edition*, **2017**, 56, 4757-4761	16.4	145
584	Amine-Rich Nitrogen-Doped Carbon Nanodots as a Platform for Self-Enhancing Electrochemiluminescence. *Angewandte Chemie*, **2017**, 129, 4835-4839	3.6	31
583	Ecotoxicological effects of graphene-based materials. *2D Materials*, **2017**, 4, 012001	5.9	30
582	Evaluation of concentration and dispersion of functionalized carbon nanotubes in aqueous media by means of Low Field Nuclear Magnetic Resonance. *Carbon*, **2017**, 113, 387-394	10.4	4
581	Targeted killing of prostate cancer cells using antibody-drug conjugated carbon nanohorns. *Journal of Materials Chemistry B*, **2017**, 5, 8821-8832	7.3	12
580	A simple approach to synthetize folic acid decorated magnetite@SiO nanostructures for hyperthermia applications. *Journal of Materials Chemistry B*, **2017**, 5, 7547-7556	7.3	10
579	Graphene Improves the Biocompatibility of Polyacrylamide Hydrogels: 3D Polymeric Scaffolds for Neuronal Growth. *Scientific Reports*, **2017**, 7, 10942	4.9	59
578	Injectable Carbon Nanotube-Functionalized Reverse Thermal Gel Promotes Cardiomyocytes Survival and Maturation. *ACS Applied Materials & Interfaces*, **2017**, 9, 31645-31656	9.5	39
577	Promises, facts and challenges for graphene in biomedical applications. *Chemical Society Reviews*, **2017**, 46, 4400-4416	58.5	415
576	Porphyrin Antennas on Carbon Nanodots: Excited State Energy and Electron Transduction. *Angewandte Chemie - International Edition*, **2017**, 56, 12097-12101	16.4	50
575	Porphyrin Antennas on Carbon Nanodots: Excited State Energy and Electron Transduction. *Angewandte Chemie*, **2017**, 129, 12265-12269	3.6	13
574	Perylene Diimide Aggregates on Sb-Doped SnO2: Charge Transfer Dynamics Relevant to Solar Fuel Generation. *Journal of Physical Chemistry C*, **2017**, 121, 17737-17745	3.8	14
573	Highly sensitive electrochemiluminescence detection of a prostate cancer biomarker. *Journal of Materials Chemistry B*, **2017**, 5, 6681-6687	7.3	48

572	Selective Interaction of a Water Soluble Naphthalenediimide with Single-Walled Carbon Nanotubes. *ECS Journal of Solid State Science and Technology*, **2017**, 6, M3132-M3134	2	
571	Making H2 from light and biomass-derived alcohols: the outstanding activity of newly designed hierarchical MWCNT/Pd@TiO2 hybrid catalysts. *Green Chemistry*, **2017**, 19, 2379-2389	10	31
570	H2O2 sensing enhancement by mutual integration of single walled carbon nanohorns with metal oxide catalysts: The CeO2 case. *Sensors and Actuators B: Chemical*, **2017**, 239, 923-932	8.5	73
569	Successful Regrowth of Retinal Neurons When Cultured Interfaced to Carbon Nanotube Platforms. *Journal of Biomedical Nanotechnology*, **2017**, 13, 559-565	4	8
568	Recent Advances of Graphene-based Hybrids with Magnetic Nanoparticles for Biomedical Applications. *Current Medicinal Chemistry*, **2017**, 24, 529-536	4.3	56
567	Carbon based substrates for interfacing neurons: Comparing pristine with functionalized carbon nanotubes effects on cultured neuronal networks. *Carbon*, **2016**, 97, 87-91	10.4	26
566	3D meshes of carbon nanotubes guide functional reconnection of segregated spinal explants. *Science Advances*, **2016**, 2, e1600087	14.3	66
565	Synthesis and Catalytic Activity of Gold Nanoparticles Supported on Dendrimeric Nanocellulose Hybrids. *European Journal of Organic Chemistry*, **2016**, 2016, 3186-3192	3.2	16
564	Synthesis, Separation, and Characterization of Small and Highly Fluorescent Nitrogen-Doped Carbon NanoDots. *Angewandte Chemie*, **2016**, 128, 2147-2152	3.6	59
563	Shuttling as a Strategy to Control the Regiochemistry of Bis-Additions on Fullerene Derivatives. *ChemPhysChem*, **2016**, 17, 1823-8	3.2	5
562	Single Walled Carbon Nanohorns as Catalytic Counter Electrodes for Co(III)/(II) Electron Mediators in Dye Sensitized Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 14604-12	9.5	25
561	Synthesis, Separation, and Characterization of Small and Highly Fluorescent Nitrogen-Doped Carbon NanoDots. *Angewandte Chemie - International Edition*, **2016**, 55, 2107-12	16.4	203
560	From trash to resource: recovered-Pd from spent three-way catalysts as a precursor of an effective photo-catalyst for H2 production. *Green Chemistry*, **2016**, 18, 2745-2752	10	20
559	Intracellular degradation of chemically functionalized carbon nanotubes using a long-term primary microglial culture model. *Nanoscale*, **2016**, 8, 590-601	7.7	44
558	Carbon nanotubes for organ regeneration: An electrifying performance. *Nano Today*, **2016**, 11, 398-401	17.9	32
557	Single-Walled Carbon Nanotube-Polyamidoamine Dendrimer Hybrids for Heterogeneous Catalysis. *ACS Nano*, **2016**, 10, 4627-36	16.7	87
556	Recognition of C60 by tetra- and tri-quinoxaline cavitands. *Supramolecular Chemistry*, **2016**, 28, 601-607	1.8	3
555	Facile and quick preparation of carbon nanohorn-based counter electrodes for efficient dye-sensitized solar cells. *Nanoscale*, **2016**, 8, 7556-61	7.7	30

554	Kinetics of functionalised carbon nanotube distribution in mouse brain after systemic injection: Spatial to ultra-structural analyses. *Journal of Controlled Release*, **2016**, 224, 22-32	11.7	44
553	Graphene-Based Interfaces Do Not Alter Target Nerve Cells. *ACS Nano*, **2016**, 10, 615-23	16.7	172
552	[60]Fullerene-porphyrin [n]pseudorotaxanes: self-assembly, photophysics and third-order NLO response. *Physical Chemistry Chemical Physics*, **2016**, 18, 11858-68	3.6	17
551	Gadolinium-functionalised multi-walled carbon nanotubes as a T 1 contrast agent for MRI cell labelling and tracking. *Carbon*, **2016**, 97, 126-133	10.4	39
550	Highly efficient hydrogen production through ethanol photoreforming by a carbon nanocone/Pd@TiO2 hybrid catalyst. *Chemical Communications*, **2016**, 52, 764-7	5.8	39
549	Unravelling Radicals Reactivity Towards Carbon Nanotubes Manipulation/Functionalization. *Current Organic Chemistry*, **2016**, 20, 632-644	1.7	3
548	Triazine-Carbon Nanotubes: New Platforms for the Design of Flavin Receptors. *Chemistry - A European Journal*, **2016**, 22, 8879-88	4.8	2
547	Production and stability of mechanochemically exfoliated graphene in water and culture media. *Nanoscale*, **2016**, 8, 14548-55	7.7	42
546	Biomedical Uses for 2D Materials Beyond Graphene: Current Advances and Challenges Ahead. *Advanced Materials*, **2016**, 28, 6052-74	24	266
545	Sensor Properties of Pristine and Functionalized Carbon Nanohorns. *Electroanalysis*, **2016**, 28, 2489-2499	3	16
544	Co-axial heterostructures integrating palladium/titanium dioxide with carbon nanotubes for efficient electrocatalytic hydrogen evolution. *Nature Communications*, **2016**, 7, 13549	17.4	76
543	Graphene Oxide Nanosheets Reshape Synaptic Function in Cultured Brain Networks. *ACS Nano*, **2016**, 10, 4459-71	16.7	101
542	Mix and match metal oxides and nanocarbons for new photocatalytic frontiers. *Catalysis Today*, **2016**, 277, 202-213	5.3	26
541	Chemical modification of carbon nanomaterials (SWCNTs, DWCNTs, MWCNTs and SWCNHs) with diphenyl dichalcogenides. *Nanoscale*, **2015**, 7, 6007-13	7.7	13
540	Microglia Determine Brain Region-Specific Neurotoxic Responses to Chemically Functionalized Carbon Nanotubes. *ACS Nano*, **2015**, 9, 7815-30	16.7	74
539	Perylene Derivatives As Useful SERRS Reporters, Including Multiplexing Analysis. *ACS Applied Materials & Interfaces*, **2015**, 7, 28042-8	9.5	10
538	Oxygen vacancies and interfaces enhancing photocatalytic hydrogen production in mesoporous CNT/TiO2 hybrids. *Applied Catalysis B: Environmental*, **2015**, 179, 574-582	21.8	100
537	In situ growth of capping-free magnetic iron oxide nanoparticles on liquid-phase exfoliated graphene. *Nanoscale*, **2015**, 7, 8995-9003	7.7	6

536	Modification of nanocrystalline WO3 with a dicationic perylene bisimide: applications to molecular level solar water splitting. *Journal of the American Chemical Society*, **2015**, 137, 4630-3	16.4	90
535	Nanocomposite Hydrogels: 3D Polymer-Nanoparticle Synergies for On-Demand Drug Delivery. *ACS Nano*, **2015**, 9, 4686-97	16.7	497
534	From 2D to 3D: novel nanostructured scaffolds to investigate signalling in reconstructed neuronal networks. *Scientific Reports*, **2015**, 5, 9562	4.9	105
533	Wire Up on Carbon Nanostructures! How To Play a Winning Game. *ACS Nano*, **2015**, 9, 9441-50	16.7	43
532	Carbon Nanodots: Supramolecular Electron Donor-Acceptor Hybrids Featuring Perylenediimides. *Angewandte Chemie - International Edition*, **2015**, 54, 8292-7	16.4	66
531	Carbon nanomaterials combined with metal nanoparticles for theranostic applications. *British Journal of Pharmacology*, **2015**, 172, 975-91	8.6	65
530	The winding road for carbon nanotubes in nanomedicine. *Materials Today*, **2015**, 18, 12-19	21.8	94
529	Synthesis and anti-HIV activity of carboxylated and drug-conjugated multi-walled carbon nanotubes. *Carbon*, **2015**, 82, 548-561	10.4	49
528	Carbon nanohorn-based electrolyte for dye-sensitized solar cells. *Energy and Environmental Science*, **2015**, 8, 241-246	35.4	47
527	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. *Nanoscale*, **2015**, 7, 4598-810	7.7	2015
526	Fast and Efficient Microwave-Assisted Synthesis of Perylenebisimides. *European Journal of Organic Chemistry*, **2015**, 2015, 5060-5063	3.2	15
525	Supramolecular Macrostructures of UPy-Functionalized Carbon Nanotubes. *Chemistry - A European Journal*, **2015**, 21, 14179-85	4.8	10
524	Kovalente Funktionalisierung von Graphen auf Substraten. *Angewandte Chemie*, **2015**, 127, 10882-10900	3.6	25
523	Kohlenstoff-Nanopunkte: supramolekulare Elektronendonor-Akzeptor-Hybride mit Perylendiimiden. *Angewandte Chemie*, **2015**, 127, 8410-8415	3.6	9
522	The Covalent Functionalization of Graphene on Substrates. *Angewandte Chemie - International Edition*, **2015**, 54, 10734-50	16.4	179
521	Effects of Two Fullerene Derivatives on Monocytes and Macrophages. *BioMed Research International*, **2015**, 2015, 915130	3	13
520	Carbon nanotubes and catalysis: the many facets of a successful marriage. *Catalysis Science and Technology*, **2015**, 5, 3859-3875	5.5	78
519	Study of the cytotoxic effects of the new synthetic Isothiocyanate CM9 and its fullerene derivative on human T-leukemia cells. *Toxins*, **2015**, 7, 535-52	4.9	6

518	Design of Cationic Multiwalled Carbon Nanotubes as Efficient siRNA Vectors for Lung Cancer Xenograft Eradication. *Bioconjugate Chemistry*, **2015**, 26, 1370-9	6.3	47
517	Improved activity and stability of Pd@CeO2 core□shell catalysts hybridized with multi-walled carbon nanotubes in the water gas shift reaction. *Catalysis Today*, **2015**, 253, 142-148	5.3	28
516	Carboxylated, Fe-filled multiwalled carbon nanotubes as versatile catalysts for O2 reduction and H2 evolution reactions at physiological pH. *Chemistry - A European Journal*, **2015**, 21, 12769-77	4.8	20
515	Synthesis of copper-platinum nanoparticles induce apoptosis in THP-1 cells **2015**,		1
514	Efficient Microwave-Assisted Synthesis of PCBM Methanofullerenes (C60 and C70). *European Journal of Organic Chemistry*, **2015**, 2015, 1423-1427	3.2	1
513	Under the lens: carbon nanotube and protein interaction at the nanoscale. *Chemical Communications*, **2015**, 51, 4347-59	5.8	76
512	PEDOT:PSS Interfaces Support the Development of Neuronal Synaptic Networks with Reduced Neuroglia Response In vitro. *Frontiers in Neuroscience*, **2015**, 9, 521	5.1	41
511	Graphene for multi-functional synthetic biology: the last 'zeitgeist' in nanomedicine. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 1638-49	2.9	50
510	Graphene-based electroresponsive scaffolds as polymeric implants for on-demand drug delivery. *Advanced Healthcare Materials*, **2014**, 3, 1334-43	10.1	116
509	Positive graphene by chemical design: tuning supramolecular strategies for functional surfaces. *Chemical Communications*, **2014**, 50, 885-7	5.8	25
508	Exfoliation of graphite with triazine derivatives under ball-milling conditions: preparation of few-layer graphene via selective noncovalent interactions. *ACS Nano*, **2014**, 8, 563-71	16.7	205
507	The Influence of Molecular Structure on the Self-Assembly of Phenanthroline Derivatives into Crystalline Nanowires. *Particle and Particle Systems Characterization*, **2014**, 31, 121-125	3.1	3
506	The supramolecular design of low-dimensional carbon nano-hybrids encoding a polyoxometalate-bis-pyrene tweezer. *Chemical Communications*, **2014**, 50, 4881-3	5.8	28
505	The relationship between the diameter of chemically-functionalized multi-walled carbon nanotubes and their organ biodistribution profiles in vivo. *Biomaterials*, **2014**, 35, 9517-28	15.6	47
504	A nanocellulose-dye conjugate for multi-format optical pH-sensing. *Chemical Communications*, **2014** , 50, 9493-6	5.8	36
503	A Cationic [60] Fullerene Derivative Reduces Invasion and Migration of HT-29 CRC Cells in Vitro at Dose Free of Significant Effects on Cell Survival. *Nano-Micro Letters*, **2014**, 6, 163-168	19.5	11
502	Substituting TiCl4□Carbon Nanohorn Interfaces for Dye-Sensitized Solar Cells. *Advanced Energy Materials*, **2014**, 4, 1301577	21.8	19
501	Classification framework for graphene-based materials. *Angewandte Chemie - International Edition*, **2014**, 53, 7714-8	16.4	287

500	Carbon Nanostructures for Nanomedicine: Opportunities and Challenges. *Fullerenes Nanotubes and Carbon Nanostructures*, **2014**, 22, 190-195	1.8	32
499	Cyclopropanation Reactions of Carbon Nanotubes. *European Journal of Organic Chemistry*, **2014**, 2014, 4225-4229	3.2	1
498	Ultrastrong Materials, Nanostructured **2014**, 5011-5017		
497	Carbon nanotubes in tissue engineering. *Topics in Current Chemistry*, **2014**, 348, 181-204		21
496	Catalysis-material crosstalk at tailored nano-carbon interfaces. *Topics in Current Chemistry*, **2014**, 348, 139-80		8
495	Carbon nanotubes: synthesis, structure, functionalization, and characterization. *Topics in Current Chemistry*, **2014**, 350, 65-109		5
494	Liquid-phase exfoliated graphene: functionalization, characterization, and applications. *Beilstein Journal of Nanotechnology*, **2014**, 5, 2328-38	3	28
493	Rahmenbedingungen f□die Klassifizierung graphenbasierter Materialien. *Angewandte Chemie*, **2014**, 126, 7846-7850	3.6	6
492	Supramolecular assemblies of nucleoside functionalized carbon nanotubes: synthesis, film preparation, and properties. *Chemistry - A European Journal*, **2014**, 20, 5397-402	4.8	7
491	3. Functionalization of carbon nanotubes **2014**,		3
490	Carbon nanotube facilitation of myocardial ablation with radiofrequency energy. *Journal of Cardiovascular Electrophysiology*, **2014**, 25, 1385-90	2.7	23
489	Direct observation of spin-injection in tyrosinate-functionalized single-wall carbon nanotubes. *Carbon*, **2014**, 67, 424-433	10.4	4
488	Non-conventional methods and media for the activation and manipulation of carbon nanoforms. *Chemical Society Reviews*, **2014**, 43, 58-69	58.5	65
487	Highly selective detection of Epinephrine at oxidized Single-Wall Carbon Nanohorns modified Screen Printed Electrodes (SPEs). *Biosensors and Bioelectronics*, **2014**, 59, 94-8	11.8	50
486	Fullerene-stoppered bistable rotaxanes. *Topics in Current Chemistry*, **2014**, 348, 127-37		1
485	Carbon nanotubes in neuroregeneration and repair. *Advanced Drug Delivery Reviews*, **2013**, 65, 2034-44	18.5	111
484	Nanocrystalline cellulose-porphyrin hybrids: synthesis, supramolecular properties, and singlet-oxygen production. *Chemical Communications*, **2013**, 49, 8525-7	5.8	21
483	Dynamic motion of Ru-polyoxometalate ions (POMs) on functionalized few-layer graphene. *Small*, **2013**, 9, 3922-7	11	20

482	Endowing carbon nanotubes with biological and biomedical properties by chemical modifications. *Advanced Drug Delivery Reviews*, **2013**, 65, 1899-920	18.5	169
481	Peptide-based carbon nanotubes for mitochondrial targeting. *Nanoscale*, **2013**, 5, 9110-7	7.7	47
480	Carbon nanotube derivatives as anticancer drug delivery systems **2013**, 469-486		1
479	Carbon nanohorns as integrative materials for efficient dye-sensitized solar cells. *Advanced Materials*, **2013**, 25, 6513-8	24	39
478	Asbestos-like Pathogenicity of Long Carbon Nanotubes Alleviated by Chemical Functionalization. *Angewandte Chemie*, **2013**, 125, 2330-2334	3.6	9
477	How do functionalized carbon nanotubes land on, bind to and pierce through model and plasma membranes. *Nanoscale*, **2013**, 5, 10242-50	7.7	49
476	Knitting the catalytic pattern of artificial photosynthesis to a hybrid graphene nanotexture. *ACS Nano*, **2013**, 7, 811-7	16.7	84
475	Asbestos-like pathogenicity of long carbon nanotubes alleviated by chemical functionalization. *Angewandte Chemie - International Edition*, **2013**, 52, 2274-8	16.4	137
474	A three-level luminescent response in a pyrene/ferrocene rotaxane. *Organic Letters*, **2013**, 15, 84-7	6.2	19
473	Nanomaterials for (Nano)medicine. *ACS Medicinal Chemistry Letters*, **2013**, 4, 147-9	4.3	84
472	Profiling the molecular mechanism of fullerene cytotoxicity on tumor cells by RNA-seq. *Toxicology*, **2013**, 314, 183-92	4.4	23
471	Ammonium and guanidinium dendron-carbon nanotubes by amidation and click chemistry and their use for siRNA delivery. *Small*, **2013**, 9, 3610-9	11	41
470	An atom-economical approach to functionalized single-walled carbon nanotubes: reaction with disulfides. *Angewandte Chemie - International Edition*, **2013**, 52, 6480-3	16.4	24
469	Organic functionalization of graphene in dispersions. *Accounts of Chemical Research*, **2013**, 46, 138-48	24.3	198
468	Carbon nanotubes instruct physiological growth and functionally mature syncytia: nongenetic engineering of cardiac myocytes. *ACS Nano*, **2013**, 7, 5746-56	16.7	92
467	Rolling up a graphene sheet. *ChemPhysChem*, **2013**, 14, 3447-53	3.2	38
466	ZnII-Cyclen as a Supramolecular Probe for Tagging Thymidine Nucleosides on Carbon Nanotubes. *European Journal of Organic Chemistry*, **2013**, 2013, 3685-3690	3.2	4
465	A novel route towards high quality fullerene-pillared graphene. *Carbon*, **2013**, 61, 313-320	10.4	22

464	Sandwich ELISA assay for the quantitation of palytoxin and its analogs in natural samples. *Environmental Science & Technology*, **2013**, 47, 2034-42	10.3	21
463	Functionalizing Carbon Nanotubes: An Indispensible Step towards Applications. *ECS Journal of Solid State Science and Technology*, **2013**, 2, M3040-M3045	2	26
462	Novel nanostructures based on the active interplay between nucleobases and carbon nanotubes. *Supramolecular Chemistry*, **2013**, 25, 567-573	1.8	6
461	Carbon nanotube scaffolds instruct human dendritic cells: modulating immune responses by contacts at the nanoscale. *Nano Letters*, **2013**, 13, 6098-105	11.5	49
460	Carbon nanotubes: a promise for nerve tissue engineering?. *Nanotechnology Reviews*, **2013**, 2, 47-57	6.3	29
459	An Atom-Economical Approach to Functionalized Single-Walled Carbon Nanotubes: Reaction with Disulfides. *Angewandte Chemie*, **2013**, 125, 6608-6611	3.6	4
458	Innentitelbild: Asbestos-like Pathogenicity of Long Carbon Nanotubes Alleviated by Chemical Functionalization (Angew. Chem. 8/2013). *Angewandte Chemie*, **2013**, 125, 2184-2184	3.6	1
457	Adhesion to carbon nanotube conductive scaffolds forces action-potential appearance in immature rat spinal neurons. *PLoS ONE*, **2013**, 8, e73621	3.7	49
456	Functionalized carbon nanotubes in the brain: cellular internalization and neuroinflammatory responses. *PLoS ONE*, **2013**, 8, e80964	3.7	70
455	Translocation mechanisms of chemically functionalised carbon nanotubes across plasma membranes. *Biomaterials*, **2012**, 33, 3334-43	15.6	199
454	Production of large graphene sheets by exfoliation of graphite under high power ultrasound in the presence of tiopronin. *Chemical Communications*, **2012**, 48, 12159-61	5.8	33
453	Carbon nanotubes: artificial nanomaterials to engineer single neurons and neuronal networks. *ACS Chemical Neuroscience*, **2012**, 3, 611-8	5.7	85
452	Melting of hydrogen bonds in uracil derivatives probed by infrared spectroscopy and ab initio molecular dynamics. *Journal of Physical Chemistry B*, **2012**, 116, 4626-33	3.4	8
451	Synthesis and characterization of highly water-soluble dendrofulleropyrrolidine bisadducts with DNA binding activity. *Organic Letters*, **2012**, 14, 4450-3	6.2	8
450	Shaping the beating heart of artificial photosynthesis: oxygenic metal oxide nano-clusters. *Energy and Environmental Science*, **2012**, 5, 5592	35.4	87
449	A molecular shuttle driven by fullerene radical-anion recognition. *Chemistry - A European Journal*, **2012**, 18, 14063-8	4.8	29
448	Spinal cord explants use carbon nanotube interfaces to enhance neurite outgrowth and to fortify synaptic inputs. *ACS Nano*, **2012**, 6, 2041-55	16.7	112
447	Highly sensitive electrochemiluminescent nanobiosensor for the detection of palytoxin. *ACS Nano*, **2012**, 6, 7989-97	16.7	83

446	In vivo degradation of functionalized carbon nanotubes after stereotactic administration in the brain cortex. *Nanomedicine*, **2012**, 7, 1485-94	5.6	97
445	Antibonding plasmon modes in colloidal gold nanorod clusters. *Langmuir*, **2012**, 28, 8826-33	4	26
444	Targeting carbon nanotubes against cancer. *Chemical Communications*, **2012**, 48, 3911-26	5.8	216
443	Multiwalled carbon nanotubes drive the activity of metal@oxide core-shell catalysts in modular nanocomposites. *Journal of the American Chemical Society*, **2012**, 134, 11760-6	16.4	97
442	A simple road for the transformation of few-layer graphene into MWNTs. *Journal of the American Chemical Society*, **2012**, 134, 13310-5	16.4	53
441	Degree of Chemical Functionalization of Carbon Nanotubes Determines Tissue Distribution and Excretion Profile. *Angewandte Chemie*, **2012**, 124, 6495-6499	3.6	7
440	Degree of chemical functionalization of carbon nanotubes determines tissue distribution and excretion profile. *Angewandte Chemie - International Edition*, **2012**, 51, 6389-93	16.4	103
439	Luminescent blooming of dendronic carbon nanotubes through ion-pairing interactions with an Eu(III) complex. *Chemistry - A European Journal*, **2012**, 18, 5889-97	4.8	17
438	Carbon nanotubes promote growth and spontaneous electrical activity in cultured cardiac myocytes. *Nano Letters*, **2012**, 12, 1831-8	11.5	175
437	Multiple hydrogen bond interactions in the processing of functionalized multi-walled carbon nanotubes. *ACS Nano*, **2012**, 6, 23-31	16.7	29
436	Carbon Nanotubes as Electrical Interfaces to Neurons. *Fundamental Biomedical Technologies*, **2012**, 187-207		1
435	Study of a potential drug delivery system based on carbon nanoparticles: effects of fullerene derivatives in MCF7 mammary carcinoma cells. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	25
434	Carbon nanohorns functionalized with polyamidoamine dendrimers as efficient biocarrier materials for gene therapy. *Carbon*, **2012**, 50, 2832-2844	10.4	50
433	Synthesis and Biological Properties of Fullerene-Containing Amino Acids and Peptides. *Mini-Reviews in Medicinal Chemistry*, **2012**, 4,	3.2	3
432	Organic Functionalization of Solution-Phase Exfoliated Graphene. *Carbon Nanostructures*, **2012**, 181-185	0.6	
431	Functionalized Carbon Nanotubes: (X-CNTs) **2011**, 113-161		0
430	Cellular uptake mechanisms of functionalised multi-walled carbon nanotubes by 3D electron tomography imaging. *Nanoscale*, **2011**, 3, 2627-35	7.7	98
429	Interfacing strong electron acceptors with single wall carbon nanotubes. *Journal of the American Chemical Society*, **2011**, 133, 4580-6	16.4	40

428	Antifungal activity of amphotericin B conjugated to carbon nanotubes. *ACS Nano*, **2011**, 5, 199-208	16.7	91
427	Photophysics and transient nonlinear optical response of donor[60]fullerene hybrids. *Journal of Materials Chemistry*, **2011**, 21, 2524		24
426	Functionalised carbon nanotubes: high biocompatibility with lack of toxicity. *International Journal of Nanotechnology*, **2011**, 8, 885	1.5	13
425	Length-dependent retention of carbon nanotubes in the pleural space of mice initiates sustained inflammation and progressive fibrosis on the parietal pleura. *American Journal of Pathology*, **2011**, 178, 2587-600	5.8	242
424	Interfacing neurons with carbon nanotubes: (re)engineering neuronal signaling. *Progress in Brain Research*, **2011**, 194, 241-52	2.9	20
423	Selective organic functionalization of graphene bulk or graphene edges. *Chemical Communications*, **2011**, 47, 9330-2	5.8	108
422	Artificial photosynthesis challenges: water oxidation at nanostructured interfaces. *Topics in Current Chemistry*, **2011**, 303, 121-50		27
421	Materials chemistry of fullerene C60 derivatives. *Journal of Materials Chemistry*, **2011**, 21, 1305-1318		132
420	Polyamine functionalized carbon nanotubes: synthesis, characterization, cytotoxicity and siRNA binding. *Journal of Materials Chemistry*, **2011**, 21, 4850		34
419	Oxygenic polyoxometalates: a new class of molecular propellers. *Chemical Communications*, **2011**, 47, 1716-8	5.8	45
418	Making carbon nanotubes biocompatible and biodegradable. *Chemical Communications*, **2011**, 47, 10182-8	5.8	282
417	Few-layer graphenes from ball-milling of graphite with melamine. *Chemical Communications*, **2011**, 47, 10936-8	5.8	265
416	Charge transfer events in semiconducting single-wall carbon nanotubes. *Journal of the American Chemical Society*, **2011**, 133, 18696-706	16.4	25
415	Fullerene C60 as a multifunctional system for drug and gene delivery. *Nanoscale*, **2011**, 3, 4035-41	7.7	220
414	Multiwalled carbon-nanotube-functionalized microelectrode arrays fabricated by microcontact printing: platform for studying chemical and electrical neuronal signaling. *Small*, **2011**, 7, 524-30	11	37
413	Ball-milling modification of single-walled carbon nanotubes: purification, cutting, and functionalization. *Small*, **2011**, 7, 665-74	11	57
412	Antibody covalent immobilization on carbon nanotubes and assessment of antigen binding. *Small*, **2011**, 7, 2179-87	11	35
411	Cellular uptake and cytotoxic impact of chemically functionalized and polymer-coated carbon nanotubes. *Small*, **2011**, 7, 3230-8	11	71

410	LDI and ESI MS as well as low energy CID of a self-assembling nanorod-forming fullerene derivative. *Journal of Mass Spectrometry*, **2011**, 46, 1108-14	2.2	1
409	Highly Conductive Redox Protein–Carbon Nanotube Complex for Biosensing Applications. *Advanced Functional Materials*, **2011**, 21, 153-157	15.6	14
408	Hyaluronan–Carbon Nanotube Derivatives: Synthesis, Conjugation with Model Drugs, and DOSY NMR Characterization. *European Journal of Organic Chemistry*, **2011**, 2011, 5617-5625	3.2	9
407	Tailored functionalization of carbon nanotubes for electrocatalytic water splitting and sustainable energy applications. *ChemSusChem*, **2011**, 4, 1447-51	8.3	59
406	Formation of Efficient Catalytic Silver Nanoparticles on Carbon Nanotubes by Adenine Functionalization. *Angewandte Chemie*, **2011**, 123, 10067-10071	3.6	7
405	Formation of efficient catalytic silver nanoparticles on carbon nanotubes by adenine functionalization. *Angewandte Chemie - International Edition*, **2011**, 50, 9893-7	16.4	47
404	One-pot triple functionalization of carbon nanotubes. *Chemistry - A European Journal*, **2011**, 17, 3222-7	4.8	47
403	Carbon nanotube-nucleobase hybrids: nanorings from uracil-modified single-walled carbon nanotubes. *Chemistry - A European Journal*, **2011**, 17, 6772-80	4.8	38
402	Functional motor recovery from brain ischemic insult by carbon nanotube-mediated siRNA silencing. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 10952-7	11.5	189
401	Carbon nanotube scaffolds tune synaptic strength in cultured neural circuits: novel frontiers in nanomaterial-tissue interactions. *Journal of Neuroscience*, **2011**, 31, 12945-53	6.6	132
400	Dendron-functionalized multiwalled carbon nanotubes incorporating polyoxometalates for water-splitting catalysis. *Pure and Applied Chemistry*, **2011**, 83, 1529-1542	2.1	18
399	Biomedical Applications I **2011**, 23-45		
398	Efficient water oxidation at carbon nanotube-polyoxometalate electrocatalytic interfaces. *Nature Chemistry*, **2010**, 2, 826-31	17.6	405
397	Complement monitoring of carbon nanotubes. *Nature Nanotechnology*, **2010**, 5, 382-383	28.7	10
396	Synthesis and Spectroscopic Properties of Porphyrin Derivatives of C60. *Molecular Crystals and Liquid Crystals*, **2010**, 521, 253-264	0.5	3
395	Photoluminescence and Electro-Optic Kerr Effect in Porphyrin Derivatives of C60. *Molecular Crystals and Liquid Crystals*, **2010**, 522, 191/[491]-202/[502]	0.5	
394	Functionalization of carbon nanotubes for applications in materials science and nanomedicine. *Pure and Applied Chemistry*, **2010**, 82, 853-861	2.1	17
393	Enhanced cellular internalization and gene silencing with a series of cationic dendron-multiwalled carbon nanotube:siRNA complexes. *FASEB Journal*, **2010**, 24, 4354-65	0.9	67

392	Functionalization of Carbon Nanotubes for Nanoelectronic and Photovoltaic Applications **2010**, 333-363		1
391	Two-dimensional diffusion-ordered NMR spectroscopy as a tool for monitoring functionalized carbon nanotube purification and composition. *ACS Nano*, **2010**, 4, 2051-8	16.7	22
390	Gold dendrimer encapsulated nanoparticles as labeling agents for multiwalled carbon nanotubes. *ACS Nano*, **2010**, 4, 905-12	16.7	55
389	Light-induced selective deposition of Au nanoparticles on single-wall carbon nanotubes. *ACS Nano*, **2010**, 4, 6105-13	16.7	28
388	Functionalization of graphene via 1,3-dipolar cycloaddition. *ACS Nano*, **2010**, 4, 3527-33	16.7	378
387	The alluring potential of functionalized carbon nanotubes in drug discovery. *Expert Opinion on Drug Discovery*, **2010**, 5, 691-707	6.2	47
386	Versatile microwave-induced reactions for the multiple functionalization of carbon nanotubes. *Organic and Biomolecular Chemistry*, **2010**, 8, 1936-42	3.9	21
385	Phthalocyanine-pyrene conjugates: a powerful approach toward carbon nanotube solar cells. *Journal of the American Chemical Society*, **2010**, 132, 16202-11	16.4	125
384	Multimode assembly of phenanthroline nanowires decorated with gold nanoparticles. *Chemical Communications*, **2010**, 46, 9122-4	5.8	13
383	Efficient receptor-independent intracellular translocation of aptamers mediated by conjugation to carbon nanotubes. *Chemical Communications*, **2010**, 46, 7379-81	5.8	39
382	Mechanically interlocked molecular architectures functionalised with fullerenes. *Chemical Communications*, **2010**, 46, 9089-99	5.8	38
381	Enhanced anticancer activity of multi-walled carbon nanotube-methotrexate conjugates using cleavable linkers. *Chemical Communications*, **2010**, 46, 1494-6	5.8	115
380	Facile synthesis of highly stable tetraazaheptacene and tetraazaoctacene dyes. *Chemistry - an Asian Journal*, **2010**, 5, 482-5	4.5	60
379	Fullerene Unsymmetrical Bis-Adducts as Models for Novel Peptidomimetics. *European Journal of Organic Chemistry*, **2010**, 2010, 476-483	3.2	18
378	Synthesis of Fullerene-Stoppered Rotaxanes Bearing Ferrocene Groups on the Macrocycle. *European Journal of Organic Chemistry*, **2010**, 2010, 1324-1332	3.2	19
377	Functionalized carbon nanotubes for probing and modulating molecular functions. *Chemistry and Biology*, **2010**, 17, 107-15		95
376	Potentiometric titration as a straightforward method to assess the number of functional groups on shortened carbon nanotubes. *Carbon*, **2010**, 48, 2447-2454	10.4	46
375	Organic functionalization of carbon nanostructures via 1,3-dipolar cycloadditions. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 2645-2648	1.3	8

374	Neurons are able to internalize soluble carbon nanotubes: new opportunities or old risks?. *Small*, **2010**, 6, 2630-3	11	26
373	Selective Formation of Bi-Component Arrays Through H-Bonding of Multivalent Molecular Modules. *Advanced Functional Materials*, **2009**, 19, 1207-1214	15.6	24
372	Nanomaterials for Neural Interfaces. *Advanced Materials*, **2009**, 21, 3970-4004	24	422
371	Carbon Nanotubes Carrying Cell-Adhesion Peptides do not Interfere with Neuronal Functionality. *Advanced Materials*, **2009**, 21, 2903-2908	24	60
370	A carbon nano-onion-ferrocene donor-acceptor system: synthesis, characterization and properties. *Chemistry - A European Journal*, **2009**, 15, 4419-27	4.8	48
369	Microwave-assisted functionalization of carbon nanostructures in ionic liquids. *Chemistry - A European Journal*, **2009**, 15, 12837-45	4.8	43
368	Antitumor activity and prolonged survival by carbon-nanotube-mediated therapeutic siRNA silencing in a human lung xenograft model. *Small*, **2009**, 5, 1176-85	11	115
367	Manipulating single-wall carbon nanotubes by chemical doping and charge transfer with perylene dyes. *Nature Chemistry*, **2009**, 1, 243-9	17.6	201
366	Carbon nanotubes might improve neuronal performance by favouring electrical shortcuts. *Nature Nanotechnology*, **2009**, 4, 126-33	28.7	428
365	Promises, facts and challenges for carbon nanotubes in imaging and therapeutics. *Nature Nanotechnology*, **2009**, 4, 627-33	28.7	673
364	Multifunctional hybrid materials composed of [60]fullerene-based functionalized-single-walled carbon nanotubes. *Carbon*, **2009**, 47, 578-588	10.4	70
363	Cap removal and shortening of double-walled and very-thin multi-walled carbon nanotubes under mild oxidative conditions. *Carbon*, **2009**, 47, 675-682	10.4	39
362	Supramolecular aggregation of functionalized carbon nanotubes. *Chemical Communications*, **2009**, 6005-7	5.8	39
361	Carbon nanotubes and microwaves: interactions, responses, and applications. *ACS Nano*, **2009**, 3, 3819-24	16.7	240
360	Synthesis and characterization of a carbon nanotube-dendron series for efficient siRNA delivery. *Journal of the American Chemical Society*, **2009**, 131, 9843-8	16.4	156
359	Synthesis and characterization of nucleobase-carbon nanotube hybrids. *Journal of the American Chemical Society*, **2009**, 131, 13555-62	16.4	67
358	Organic functionalisation and characterisation of single-walled carbon nanotubes. *Chemical Society Reviews*, **2009**, 38, 2214-30	58.5	498
357	Disaggregation of single-walled carbon nanotubes (SWNTs) promoted by the ionic liquid-based surfactant 1-hexadecyl-3-vinyl-imidazolium bromide in aqueous solution. *Soft Matter*, **2009**, 5, 62-66	3.6	51

356	Electrostatic layer-by-layer construction and characterization of photoelectrochemical solar cells based on water soluble polythiophenes and carbon nanotubes. *Journal of Materials Chemistry*, **2009**, 19, 4319		38
355	Metal-free, retro-cycloaddition of fulleropyrrolidines in ionic liquids under microwave irradiation. *Chemical Communications*, **2009**, 3940-2	5.8	25
354	Effect of carbon nanotube surface modification on dispersion and structural properties of electrospun fibers. *Applied Physics Letters*, **2009**, 95, 233113	3.4	46
353	Diffusion-ordered NMR spectroscopy in the structural characterization of functionalized carbon nanotubes. *Journal of the American Chemical Society*, **2009**, 131, 9086-93	16.4	35
352	Two-dimensional vibrational spectroscopy of rotaxane-based molecular machines. *Accounts of Chemical Research*, **2009**, 42, 1462-9	24.3	37
351	Engineering of supramolecular H-bonded nanopolygons via self-assembly of programmed molecular modules. *Journal of the American Chemical Society*, **2009**, 131, 509-20	16.4	102
350	Synthesis of multifunctional composite microgels via in situ Ni growth on pNIPAM-coated Au nanoparticles. *ACS Nano*, **2009**, 3, 3184-90	16.7	69
349	Efficient functionalization of carbon nanohornsvia microwave irradiation. *Journal of Materials Chemistry*, **2009**, 19, 4407		41
348	In vitro behavior of multifunctionalized fullerene-warfarin conjugates. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 6210-21	1.3	7
347	Interactions Between Cultured Neurons and Carbon Nanotubes: A Nanoneuroscience Vignette. *Journal of Nanoneuroscience*, **2009**, 1, 10-16		40
346	Hype around nanotubes creates unrealistic hopes. *Nature*, **2008**, 453, 280	50.4	9
345	Functionalized carbon nanotubes in drug design and discovery. *Accounts of Chemical Research*, **2008**, 41, 60-8	24.3	891
344	Biomedical Applications of Functionalised Carbon Nanotubes. *Carbon Materials*, **2008**, 23-50		10
343	Multipurpose organically modified carbon nanotubes: from functionalization to nanotube composites. *Journal of the American Chemical Society*, **2008**, 130, 8733-40	16.4	197
342	Charge transfer reactions along a supramolecular redox gradient. *Journal of the American Chemical Society*, **2008**, 130, 14938-9	16.4	45
341	Redox-active Si(100) surfaces covalently functionalised with [60]fullerene conjugates: new hybrid materials for molecular-based devices. *Journal of Materials Chemistry*, **2008**, 18, 1570		28
340	Nanomaterial/neuronal hybrid system for functional recovery of the CNS. *Drug Discovery Today: Disease Models*, **2008**, 5, 37-43	1.3	10
339	Efficient modulation of the third order nonlinear optical properties of fullerene derivatives. *Journal of the American Chemical Society*, **2008**, 130, 1534-5	16.4	56

338	Recent Advances in the Covalent Functionalization of Carbon Nanotubes. *Molecular Crystals and Liquid Crystals*, **2008**, 483, 21-32	0.5	17
337	Immunological profile of a Plasmodium vivax AMA-1 N-terminus peptide-carbon nanotube conjugate in an infected Plasmodium berghei mouse model. *Vaccine*, **2008**, 26, 5864-73	4.1	53
336	Carbon nanotube cell translocation and delivery of nucleic acidsin vitro and in vivo. *Journal of Materials Chemistry*, **2008**, 18, 17-22		69
335	Multiwalled carbon nanotube-doxorubicin supramolecular complexes for cancer therapeutics. *Chemical Communications*, **2008**, 459-61	5.8	295
334	Facile decoration of functionalized single-wall carbon nanotubes with phthalocyanines via "click chemistry". *Journal of the American Chemical Society*, **2008**, 130, 11503-9	16.4	269
333	Singling out the electrochemistry of individual single-walled carbon nanotubes in solution. *Journal of the American Chemical Society*, **2008**, 130, 7393-9	16.4	93
332	Photophysical, electrochemical, and mesomorphic properties of a liquid-crystalline [60]fullerene–peralkylated ferrocene dyad. *Journal of Materials Chemistry*, **2008**, 18, 1504		31
331	Spectroscopic characterization of photolytically generated radical ion pairs in single-wall carbon nanotubes bearing surface-immobilized tetrathiafulvalenes. *Journal of the American Chemical Society*, **2008**, 130, 66-73	16.4	115
330	Pre-programmed bicomponent porous networks at the solid-liquid interface: the low concentration regime. *Chemical Communications*, **2008**, 5289-91	5.8	63
329	Pyrene-tetrathiafulvalene supramolecular assembly with different types of carbon nanotubes. *Journal of Materials Chemistry*, **2008**, 18, 1498		58
328	Optical Characterization of Thiolate Self-Assembled Monolayers on Au(111). *Journal of Physical Chemistry C*, **2008**, 112, 3899-3906	3.8	64
327	Covalent assembly and micropatterning of functionalized multiwalled carbon nanotubes to monolayer-modified Si(111) surfaces. *Langmuir*, **2008**, 24, 6595-602	4	52
326	Immobilization of Oligoquinoline Chains on Single-Wall Carbon Nanotubes and Their Optical Behavior. *Macromolecules*, **2008**, 41, 1825-1830	5.5	24
325	Functionalization of Si(1 0 0) with ferrocene derivatives via “click” chemistry. *Electrochimica Acta*, **2008**, 53, 3903-3909	6.7	64
324	Carbon-nanotube shape and individualization critical for renal excretion. *Small*, **2008**, 4, 1130-2	11	153
323	Synthesis of dendrimer–carbon nanotube conjugates. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 1402-1407	1.6	11
322	Novel hybrid materials consisting of regioregular poly(3-octylthiophene)s covalently attached to single-wall carbon nanotubes. *Chemistry - A European Journal*, **2008**, 14, 8715-24	4.8	30
321	Improving photocurrent generation: supramolecularly and covalently functionalized single-wall carbon nanotubes-polymer/porphyrin donor-acceptor nanohybrids. *Chemistry - A European Journal*, **2008**, 14, 8837-46	4.8	59

320	Trimodular engineering of linear supramolecular miniatures on Ag(111) surfaces controlled by complementary triple hydrogen bonds. *Angewandte Chemie - International Edition*, **2008**, 47, 7726-30	16.4	73
319	Dynamic Imaging of Functionalized Multi-Walled Carbon Nanotube Systemic Circulation and Urinary Excretion. *Advanced Materials*, **2008**, 20, 225-230	24	181
318	Interfacing Functionalized Carbon Nanohorns with Primary Phagocytic Cells. *Advanced Materials*, **2008**, 20, 2421-2426	24	46
317	Adsorption of carbon nanotubes on active carbon microparticles. *Carbon*, **2008**, 46, 1091-1095	10.4	39
316	Macromolecular properties of cepacian in water and in dimethylsulfoxide. *Carbohydrate Research*, **2008**, 343, 81-9	2.9	15
315	Voltammetric quantum charging capacitance behaviour of functionalised carbon nanotubes in solution. *Electrochimica Acta*, **2008**, 53, 4059-4064	6.7	13
314	Core level photoemission of rotaxanes: A summary on binding energies. *Journal of Electron Spectroscopy and Related Phenomena*, **2008**, 165, 42-45	1.7	6
313	Tissue histology and physiology following intravenous administration of different types of functionalized multiwalled carbon nanotubes. *Nanomedicine*, **2008**, 3, 149-61	5.6	131
312	Microwave-induced multiple functionalization of carbon nanotubes. *Journal of the American Chemical Society*, **2008**, 130, 8094-100	16.4	144
311	Opportunities and challenges of carbon-based nanomaterials for cancer therapy. *Expert Opinion on Drug Delivery*, **2008**, 5, 331-42	8	130
310	Stabilization of fulleropyrrolidine N-oxides through intrarotaxane hydrogen bonding. *Chemical Communications*, **2007**, 1412-4	5.8	30
309	An electrochemically driven molecular shuttle controlled and monitored by C60. *Chemical Communications*, **2007**, 1945-7	5.8	38
308	Growth and characterization of films containing fullerenes and water soluble porphyrins for solar energy conversion applications. *Journal of the American Chemical Society*, **2007**, 129, 3148-56	16.4	57
307	Single-wall carbon nanotube porphyrin nanoconjugates. *Journal of Porphyrins and Phthalocyanines*, **2007**, 11, 442-447	1.8	15
306	Tuning electron transfer through translational motion in molecular shuttles. *Angewandte Chemie - International Edition*, **2007**, 46, 3521-5	16.4	78
305	Fullerenes: multitask components in molecular machinery. *Angewandte Chemie - International Edition*, **2007**, 46, 8120-6	16.4	117
304	Tuning Electron Transfer through Translational Motion in Molecular Shuttles. *Angewandte Chemie*, **2007**, 119, 3591-3595	3.6	21
303	Fullerene: vielseitige Bausteine f□molekulare Maschinen. *Angewandte Chemie*, **2007**, 119, 8266-8272	3.6	31

302	Wet Adsorption of a Luminescent EuIII complex on Carbon Nanotubes Sidewalls. *Advanced Functional Materials*, **2007**, 17, 2975-2982	15.6	69
301	Intracellular Trafficking of Carbon Nanotubes by Confocal Laser Scanning Microscopy. *Advanced Materials*, **2007**, 19, 1480-1484	24	65
300	Tensile Mechanics of Electrospun Multiwalled Nanotube/Poly(methyl methacrylate) Nanofibers. *Advanced Materials*, **2007**, 19, 1228-1233	24	106
299	Nonlinear optical properties of ferrocene- and porphyrin-[60]fullerene dyads. *ChemPhysChem*, **2007**, 8, 1056-64	3.2	62
298	Water-Soluble Carbon Nanotubes by Redox Radical Polymerization. *Macromolecular Rapid Communications*, **2007**, 28, 1553-1558	4.8	34
297	Spectroscopic changes induced by sonication of porphyrin□arbon nanotube composites in chlorinated solvents. *Carbon*, **2007**, 45, 2665-2671	10.4	24
296	Cell-penetrating CNTs for delivery of therapeutics. *Nano Today*, **2007**, 2, 38-43	17.9	220
295	Optical spectra and covalent chemistry of fulleropyrrolidines. *International Journal of Quantum Chemistry*, **2007**, 107, 2787-2802	2.1	11
294	Separation of metallic and semiconducting single-walled carbon nanotubes via covalent functionalization. *Small*, **2007**, 3, 1672-6	11	86
293	Sonication of porphyrin□anotube composites: a cautionary tale. *Physica Status Solidi (B): Basic Research*, **2007**, 244, 4227-4230	1.3	6
292	Cellular uptake of functionalized carbon nanotubes is independent of functional group and cell type. *Nature Nanotechnology*, **2007**, 2, 108-13	28.7	933
291	Interfacing neurons with carbon nanotubes: electrical signal transfer and synaptic stimulation in cultured brain circuits. *Journal of Neuroscience*, **2007**, 27, 6931-6	6.6	282
290	One-step electrospun nanofiber-based composite ropes. *Applied Physics Letters*, **2007**, 90, 083108	3.4	37
289	Carbon Nanotube-based Vectors for Delivering Immunotherapeutics and Drugs **2007**,		1
288	Electron-Electron Bremsstrahlung Emission and the Inference of Electron Flux Spectra in Solar Flares. *Astrophysical Journal*, **2007**, 670, 857-861	4.7	27
287	Synthesis, characterization, and photoinduced electron transfer in functionalized single wall carbon nanohorns. *Journal of the American Chemical Society*, **2007**, 129, 3938-45	16.4	151
286	Dispersion of single-walled carbon nanotubes with an extended diazapentacene derivative. *Journal of Physical Chemistry A*, **2007**, 111, 12669-73	2.8	49
285	Synthesis, characterization and photophysical properties of a SWNT-phthalocyanine hybrid. *Chemical Communications*, **2007**, 2950-2	5.8	79

284	Decorating carbon nanotubes with metal or semiconductor nanoparticles. *Journal of Materials Chemistry*, **2007**, 17, 2679		574
283	Reversible microwave-assisted cycloaddition of aziridines to carbon nanotubes. *Journal of the American Chemical Society*, **2007**, 129, 14580-1	16.4	103
282	Multifunctionalised cationic fullerene adducts for gene transfer: design, synthesis and DNA complexation. *Chemical Communications*, **2007**, 3762-4	5.8	49
281	Chapter 7:Fullerenes for Material Science. *RSC Nanoscience and Nanotechnology*, **2007**, 191-220		5
280	Versatile coordination chemistry towards multifunctional carbon nanotube nanohybrids. *Chemistry - A European Journal*, **2006**, 12, 2152-61	4.8	70
279	Supramolecular hybrids of [60]fullerene and single-wall carbon nanotubes. *Chemistry - A European Journal*, **2006**, 12, 3975-83	4.8	80
278	Control over electron transfer in tetrathiafulvalene-modified single-walled carbon nanotubes. *Angewandte Chemie - International Edition*, **2006**, 45, 4478-82	16.4	85
277	Control over Electron Transfer in Tetrathiafulvalene-Modified Single-Walled Carbon Nanotubes. *Angewandte Chemie*, **2006**, 118, 4590-4594	3.6	13
276	Luminescence of Functionalized Carbon Nanotubes as a Tool to Monitor Bundle Formation and Dissociation in Water: The Effect of Plasmid-DNA Complexation. *Advanced Functional Materials*, **2006**, 16, 1839-1846	15.6	46
275	Supramolecular Assemblies of Different Carbon Nanotubes for Photoconversion Processes. *Advanced Materials*, **2006**, 18, 2264-2269	24	107
274	Anti-inflammatory and anti-oxidant activity of a new class of phenyl-pyrazolone derivatives. *Current Drug Discovery Technologies*, **2006**, 3, 67-73	1.5	3
273	Functionalization and applications of [60]fullerene **2006**, 155-189		10
272	[60]fullerene-pyrrolidine-N-oxides. *Journal of Organic Chemistry*, **2006**, 71, 2014-20	4.2	24
271	Electronically interacting single wall carbon nanotube□porphyrin nanohybrids. *Journal of Materials Chemistry*, **2006**, 16, 62-65		124
270	Carbon nanotube-functionalized silicon surfaces with efficient redox communication. *Chemical Communications*, **2006**, 4536-8	5.8	20
269	Photophysical and electrochemical properties of a fullerene-stoppered rotaxane. *Photochemical and Photobiological Sciences*, **2006**, 5, 1173-6	4.2	18
268	Functionalisation of carbon nanohorns. *Chemical Communications*, **2006**, 2129-31	5.8	72
267	Tissue biodistribution and blood clearance rates of intravenously administered carbon nanotube radiotracers. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 3357-62	11.5	903

266	Synthesis and applications of amphiphilic fulleropyrrolidine derivatives. *Organic and Biomolecular Chemistry*, **2006**, 4, 1629-37	3.9	50
265	Dendrimer-functionalized single-wall carbon nanotubes: synthesis, characterization, and photoinduced electron transfer. *Journal of the American Chemical Society*, **2006**, 128, 12544-52	16.4	241
264	Interactions in single wall carbon nanotubes/pyrene/porphyrin nanohybrids. *Journal of the American Chemical Society*, **2006**, 128, 11222-31	16.4	300
263	Functionalized carbon nanotubes are non-cytotoxic and preserve the functionality of primary immune cells. *Nano Letters*, **2006**, 6, 1522-8	11.5	597
262	Design and activity of cationic fullerene derivatives as inhibitors of acetylcholinesterase. *Organic and Biomolecular Chemistry*, **2006**, 4, 2556-62	3.9	50
261	A dendritic fullerene-porphyrin dyad. *Photochemical and Photobiological Sciences*, **2006**, 5, 1137-41	4.2	15
260	Electronic and geometric characterization of the L-cysteine paired-row phase on Au(110). *Langmuir*, **2006**, 22, 11193-8	4	40
259	Clay-fulleropyrrolidine nanocomposites. *Journal of the American Chemical Society*, **2006**, 128, 6154-63	16.4	43
258	Liquid-crystalline bisadducts of [60]fullerene. *Journal of Organic Chemistry*, **2006**, 71, 7603-10	4.2	27
257	Functionalized Carbon Nanotubes Are Non-Cytotoxic and Preserve the Functionality of Primary Immune Cells. *Nano Letters*, **2006**, 6, 3003-3003	11.5	32
256	Element-specific probe of the magnetic and electronic properties of Dy incar-fullerenes. *Journal of Physical Chemistry B*, **2006**, 110, 7289-95	3.4	21
255	Microscopic and spectroscopic characterization of paintbrush-like single-walled carbon nanotubes. *Nano Letters*, **2006**, 6, 1408-14	11.5	89
254	CNT-CdTe versatile donor-acceptor nanohybrids. *Journal of the American Chemical Society*, **2006**, 128, 2315-23	16.4	212
253	Reverse shuttling in a fullerene-stoppered rotaxane. *Organic Letters*, **2006**, 8, 5173-6	6.2	38
252	Functionalized carbon nanotubes as emerging nanovectors for the delivery of therapeutics. *Biochimica Et Biophysica Acta - Biomembranes*, **2006**, 1758, 404-12	3.8	415
251	Double functionalization of carbon nanotubes for multimodal drug delivery. *Chemical Communications*, **2006**, 1182-4	5.8	317
250	Fullerenes and Their Derivatives **2006**,		2
249	Functionalization of CNT: synthesis and applications in photovoltaics and biology. *Journal of Physical Organic Chemistry*, **2006**, 19, 531-539	2.1	70

248	Fullerene photoactive dyads assembled by axial coordination with metals. *Comptes Rendus Chimie*, **2006**, 9, 944-951	2.7	37
247	Carbon nanotubes on HPLC silica microspheres. *Carbon*, **2006**, 44, 1609-1613	10.4	51
246	Structural and electrochemical characterization of fullerene-based surfaces of C60 mono- or bis-adducts grafted onto self-assembled monolayers. *Carbon*, **2006**, 44, 3014-3021	10.4	5
245	X-ray photoemission spectroscopy study on the effects of functionalization in fulleropyrrolidine and pyrrolidine derivatives. *Carbon*, **2006**, 44, 2896-2903	10.4	40
244	Synthesis of a soluble fullerene[2]rotaxane incorporating a furamide template. *Tetrahedron*, **2006**, 62, 2003-2007	2.4	21
243	Self-organization of amphiphilic [60]fullerene derivatives in nanorod-like morphologies. *Tetrahedron*, **2006**, 62, 2110-2114	2.4	23
242	Chemistry of carbon nanotubes. *Chemical Reviews*, **2006**, 106, 1105-36	68.1	3474
241	Carbon nanotubes as nanomedicines: from toxicology to pharmacology. *Advanced Drug Delivery Reviews*, **2006**, 58, 1460-70	18.5	686
240	Fullerenes and Their Derivatives. *Advanced Materials and Technologies*, **2006**, 1-39		
239	Thermal stripping of supramolecular structures: C60 nanorods. *Journal of Nanoscience and Nanotechnology*, **2005**, 5, 198-203	1.3	
238	Biomedical applications of functionalised carbon nanotubes. *Chemical Communications*, **2005**, 571-7	5.8	863
237	Functional single-wall carbon nanotube nanohybrids--associating SWNTs with water-soluble enzyme model systems. *Journal of the American Chemical Society*, **2005**, 127, 9830-8	16.4	172
236	Multiwalled carbon nanotubes in donor-acceptor nanohybrids-towards long-lived electron transfer products. *Chemical Communications*, **2005**, 2038-40	5.8	69
235	Isolation and characterization of nine tris-adducts of N-methylfulleropyrrolidine derivatives. *Journal of Organic Chemistry*, **2005**, 70, 4706-13	4.2	46
234	Combining single wall carbon nanotubes and photoactive polymers for photoconversion. *Journal of the American Chemical Society*, **2005**, 127, 10051-7	16.4	121
233	Cationic carbon nanotubes bind to CpG oligodeoxynucleotides and enhance their immunostimulatory properties. *Journal of the American Chemical Society*, **2005**, 127, 58-9	16.4	249
232	Fullerene non-linear excited state absorption induced by gold nanoparticles light harvesting. *Synthetic Metals*, **2005**, 155, 283-286	3.6	28
231	Carbon nanotubes in electron donor-acceptor nanocomposites. *Accounts of Chemical Research*, **2005**, 38, 871-8	24.3	429

230	Carbon nanotube substrates boost neuronal electrical signaling. *Nano Letters*, **2005**, 5, 1107-10	11.5	546
229	Carbon-based materials: From fullerene nanostructures to functionalized carbon nanotubes. *Pure and Applied Chemistry*, **2005**, 77, 1675-1684	2.1	35
228	Nanoscale organization of a phthalocyanine-fullerene system: remarkable stabilization of charges in photoactive 1-D nanotubules. *Journal of the American Chemical Society*, **2005**, 127, 5811-3	16.4	137
227	Ordering fullerene materials at nanometer dimensions. *Accounts of Chemical Research*, **2005**, 38, 38-43	24.3	169
226	Functionalized Carbon Nanotubes: Towards the Delivery of Therapeutic Molecules. *Journal of Biomedical Nanotechnology*, **2005**, 1, 133-142	4	32
225	Nanosized inorganic/organic composites for solar energy conversion. *Journal of Materials Chemistry* , **2005**, 15, 114		58
224	Soluble carbon nanotube ensembles for light-induced electron transfer interactions. *Physica E: Low-Dimensional Systems and Nanostructures*, **2005**, 29, 546-550	3	28
223	Separation and purification of functionalised water-soluble multi-walled carbon nanotubes by flow field-flow fractionation. *Carbon*, **2005**, 43, 1984-1989	10.4	34
222	Applications of carbon nanotubes in drug delivery. *Current Opinion in Chemical Biology*, **2005**, 9, 674-9	9.7	1481
221	Protein surface recognition and proteomimetics: mimics of protein surface structure and function. *Current Opinion in Chemical Biology*, **2005**, 9, 632-8	9.7	111
220	Multifrequency EPR study and DFT calculations of a C60 bisadduct anion. *Chemical Physics Letters*, **2005**, 412, 470-476	2.5	4
219	Self-assembled monolayers of a novel diacetylene on gold. *Applied Surface Science*, **2005**, 246, 403-408	6.7	7
218	Binding and condensation of plasmid DNA onto functionalized carbon nanotubes: toward the construction of nanotube-based gene delivery vectors. *Journal of the American Chemical Society*, **2005**, 127, 4388-96	16.4	666
217	Synthesis and biological evaluation of new phenidone analogues as potential dual cyclooxygenase (COX-1 and COX-2) and human lipoxygenase (5-LOX) inhibitors. *Il Farmaco*, **2005**, 60, 7-13		7
216	Synthesis and biological evaluation of a new class of acyl derivatives of 3-amino-1-phenyl-4,5-dihydro-1H-pyrazol-5-one as potential dual cyclooxygenase (COX-1 and COX-2) and human lipoxygenase (5-LOX) inhibitors. *Il Farmaco*, **2005**, 60, 327-32		16
215	The Associative Properties of Some Amphiphilic Fullerene Derivatives. *European Journal of Organic Chemistry*, **2005**, 2005, 1884-1891	3.2	16
214	Single-wall carbon nanotubes as integrative building blocks for solar-energy conversion. *Angewandte Chemie - International Edition*, **2005**, 44, 2015-8	16.4	219
213	Targeted delivery of amphotericin B to cells by using functionalized carbon nanotubes. *Angewandte Chemie - International Edition*, **2005**, 44, 6358-62	16.4	523

212	Single-Wall Carbon Nanotubes as Integrative Building Blocks for Solar-Energy Conversion. *Angewandte Chemie*, **2005**, 117, 2051-2054	3.6	50
211	Targeted Delivery of Amphotericin B to Cells by Using Functionalized Carbon Nanotubes. *Angewandte Chemie*, **2005**, 117, 6516-6520	3.6	40
210	Novel Photoactive Single-Walled Carbon Nanotube–Porphyrin Polymer Wraps: Efficient and Long-Lived Intracomplex Charge Separation. *Advanced Materials*, **2005**, 17, 871-875	24	196
209	Anti-HIV properties of cationic fullerene derivatives. *Bioorganic and Medicinal Chemistry Letters*, **2005**, 15, 3615-8	2.9	117
208	Dispersable carbon nanotube/gold nanohybrids: evidence for strong electronic interactions. *Small*, **2005**, 1, 527-30	11	94
207	Oligonucleotides and oligonucleotide conjugates: a new approach for cancer treatment. *Current Medicinal Chemistry*, **2005**, 12, 71-88	4.3	54
206	Carbon nanotubes: on the road to deliver. *Current Drug Delivery*, **2005**, 2, 253-9	3.2	48
205	Organofullerene Materials. *Structure and Bonding*, **2004**, 1-39	0.9	13
204	Arachidonic acid released by phospholipase A(2) activation triggers Ca(2+)-dependent apoptosis through the mitochondrial pathway. *Journal of Biological Chemistry*, **2004**, 279, 25219-25	5.4	132
203	Incorporation of fullerene derivatives into smectite clays: a new family of organic-inorganic nanocomposites. *Journal of the American Chemical Society*, **2004**, 126, 8561-8	16.4	45
202	Functionalized carbon nanotubes for plasmid DNA gene delivery. *Angewandte Chemie - International Edition*, **2004**, 43, 5242-6	16.4	871
201	Integrating single-wall carbon nanotubes into donor-acceptor nanohybrids. *Angewandte Chemie - International Edition*, **2004**, 43, 5526-30	16.4	233
200	Functionalized Carbon Nanotubes for Plasmid DNA Gene Delivery. *Angewandte Chemie*, **2004**, 116, 5354-5358	3.6	119
199	Integrating Single-Wall Carbon Nanotubes into Donor–Acceptor Nanohybrids. *Angewandte Chemie*, **2004**, 116, 5642-5646	3.6	40
198	Fullerene Derivatives: An Attractive Tool for Biological Applications. *ChemInform*, **2004**, 35, no		1
197	Langmuir-Shäfer transfer of fullerenes and porphyrins: formation, deposition, and application of versatile films. *Chemistry - A European Journal*, **2004**, 10, 6523-30	4.8	38
196	Time-resolved EPR study of fullerene C60 adducts at 240 GHz. *Chemical Physics Letters*, **2004**, 398, 228-234	2.5	18
195	Scanning probe microscopy and spectroscopy of carbon nanorods grown by self assembly. *Carbon*, **2004**, 42, 953-960	10.4	15

194	Electrostatic interactions by design. Versatile methodology towards multifunctional assemblies/nanostructured electrodes. *Chemical Communications*, **2004**, 2517-25	5.8	65
193	Multicomponent redox gradients on photoactive electrode surfaces. *Chemical Communications*, **2004**, 726-7	5.8	53
192	Ring–Ribbon Transition and Parallel Alignment in SWNT Films on Polyelectrolytes. *Journal of Physical Chemistry B*, **2004**, 108, 8770-8772	3.4	15
191	Functionalised single wall carbon nanotubes/polypyrrole composites for the preparation of amperometric glucose biosensors. *Journal of Materials Chemistry*, **2004**, 14, 807-810		80
190	Liquid-crystalline fullerene–ferrocene dyads. *Journal of Materials Chemistry*, **2004**, 14, 1266-1272		86
189	Cyclic voltammetry and bulk electronic properties of soluble carbon nanotubes. *Journal of the American Chemical Society*, **2004**, 126, 1646-7	16.4	75
188	Langmuir–Blodgett and layer-by-layer films of photoactive fullerene–porphyrin dyads. *Journal of Materials Chemistry*, **2004**, 14, 303-309		60
187	Translocation of bioactive peptides across cell membranes by carbon nanotubes. *Chemical Communications*, **2004**, 16-7	5.8	871
186	Functionalization of carbon nanotubes via 1,3-dipolar cycloadditions. *Journal of Materials Chemistry* , **2004**, 14, 437		246
185	Versatile organic (fullerene)-inorganic (CdTe nanoparticle) nanoensembles. *Journal of the American Chemical Society*, **2004**, 126, 14340-1	16.4	63
184	Hemolytic effects of water-soluble fullerene derivatives. *Journal of Medicinal Chemistry*, **2004**, 47, 6711-5	5.3	104
183	Donor-acceptor nanoensembles of soluble carbon nanotubes. *Chemical Communications*, **2004**, 2034-5	5.8	88
182	Synthesis and biological properties of fullerene-containing amino acids and peptides. *Mini-Reviews in Medicinal Chemistry*, **2004**, 4, 805-14	3.2	46
181	Organic Functionalization of Carbon Nanotubes. *AIP Conference Proceedings*, **2003**,	0	1
180	Electrical Rectification in a Langmuir–Blodgett Monolayer of Dimethyanilinoazafullerene Sandwiched between Gold Electrodes. *Journal of Physical Chemistry B*, **2003**, 107, 1021-1027	3.4	92
179	Synthesis and Water Solubility of Novel Fullerene Bisadduct Derivatives. *European Journal of Organic Chemistry*, **2003**, 2003, 4741-4747	3.2	32
178	Single-Wall Carbon Nanotube–Ferrocene Nanohybrids: Observing Intramolecular Electron Transfer in Functionalized SWNTs. *Angewandte Chemie*, **2003**, 115, 4338-4341	3.6	34
177	Titelbild: Single-Wall Carbon Nanotube–Ferrocene Nanohybrids: Observing Intramolecular Electron Transfer in Functionalized SWNTs (Angew. Chem. 35/2003). *Angewandte Chemie*, **2003**, 115, 4243-4243	3.6	6

176	The Addition of Azomethine Ylides to [60]Fullerene Leading to Fulleropyrrolidines. *ChemInform*, **2003**, 34, no		1
175	Soluble Carbon Nanotubes. *ChemInform*, **2003**, 34, no		1
174	Electrostatic complexation and photoinduced electron transfer between Zn-cytochrome c and [olyanionic fullerene dendrimers. *Chemistry - A European Journal*, **2003**, 9, 3867-75	4.8	83
173	Soluble carbon nanotubes. *Chemistry - A European Journal*, **2003**, 9, 4000-8	4.8	502
172	Modulating charge-transfer interactions in topologically different porphyrin-C60 dyads. *Chemistry - A European Journal*, **2003**, 9, 4968-79	4.8	102
171	Large enhancement of the nonlinear optical response of reduced fullerene derivatives. *Chemistry - A European Journal*, **2003**, 9, 1529-34	4.8	39
170	Electrostatic Complexation and Photoinduced Electron Transfer between Zn-Cytochrome c and Polyanionic Fullerene Dendrimers. *Chemistry - A European Journal*, **2003**, 9, 5176-5176	4.8	5
169	Single-wall carbon nanotube-ferrocene nanohybrids: observing intramolecular electron transfer in functionalized SWNTs. *Angewandte Chemie - International Edition*, **2003**, 42, 4206-9	16.4	174
168	Immunization with peptide-functionalized carbon nanotubes enhances virus-specific neutralizing antibody responses. *Chemistry and Biology*, **2003**, 10, 961-6		404
167	Synthesis and anti-HIV properties of new water-soluble bis-functionalized[60]fullerene derivatives. *Bioorganic and Medicinal Chemistry Letters*, **2003**, 13, 4437-40	2.9	102
166	Fullerene derivatives: an attractive tool for biological applications. *European Journal of Medicinal Chemistry*, **2003**, 38, 913-23	6.8	689
165	Absorption spectra of the mono-adduct and eight bis-adduct regioisomers of pyrrolidine derivatives of C60. *Chemical Physics*, **2003**, 293, 263-280	2.3	26
164	Supramolecular organized structures of fullerene-based materials and organic functionalization of carbon nanotubes. *Comptes Rendus Chimie*, **2003**, 6, 597-602	2.7	14
163	Synthesis, structural characterization, and immunological properties of carbon nanotubes functionalized with peptides. *Journal of the American Chemical Society*, **2003**, 125, 6160-4	16.4	447
162	Zwitterionic Acceptor Moieties: Small Reorganization Energy and Unique Stabilization of Charge Transfer Products *Journal of Physical Chemistry B*, **2003**, 107, 7293-7298	3.4	29
161	Organic functionalization and optical properties of carbon onions. *Journal of the American Chemical Society*, **2003**, 125, 14268-9	16.4	82
160	Modulation of the reduction potentials of fullerene derivatives. *Journal of the American Chemical Society*, **2003**, 125, 7139-44	16.4	63
159	Hydrogen bond-assembled fullerene molecular shuttle. *Organic Letters*, **2003**, 5, 689-91	6.2	96

158	Solid-phase synthesis and characterization of a novel fullerene-peptide derived from histone H3. *Organic and Biomolecular Chemistry*, **2003**, 1, 4141-3	3.9	17
157	Anion recognition by functionalized single wall carbon nanotubes. *Chemical Communications*, **2003**, 2576-8	5.8	33
156	First comparative emission assay of single-wall carbon nanotubes--solutions and dispersions. *Chemical Communications*, **2003**, 1130-1	5.8	51
155	A topologically new ruthenium porphyrin-fullerene donor-acceptor ensemble. *Photochemical and Photobiological Sciences*, **2003**, 2, 1067-73	4.2	40
154	[60]Fullerene as a substituent. *Chemistry - A European Journal*, **2002**, 8, 1015-23	4.8	52
153	A New Multi-Charged C60 Derivative: Synthesis and Biological Properties. *European Journal of Organic Chemistry*, **2002**, 2002, 2928-2934	3.2	36
152	Synthesis and Molecular Modeling Studies of Fullerene□5,6,7-Trimethoxyindole□Oligonucleotide Conjugates as Possible Probes for Study of Photochemical Reactions in DNA Triple Helices. *European Journal of Organic Chemistry*, **2002**, 2002, 405-413	3.2	19
151	Design, synthesis and biological properties of fulleropyrrolidine derivatives as potential DNA photo-probes. *Journal of Supramolecular Chemistry*, **2002**, 2, 327-334		9
150	Radical anions of fullerene bisadducts: a multifrequency CW-EPR study. *Journal of Magnetic Resonance*, **2002**, 159, 226-236	3	7
149	Photochemical hole-burning in C60□H2TPP supramolecule doped polymer: a comparative study with the behaviour of separated H2TPP and C60 entities. *Journal of Luminescence*, **2002**, 98, 237-243	3.8	2
148	Optical spectroscopy and photochemical hole burning studies of the supramolecule C60□H2TPP in poly vinylbutiral at low temperatures. *Journal of Luminescence*, **2002**, 99, 355-359	3.8	
147	Molecular design of strong single-wall carbon nanotube/polyelectrolyte multilayer composites. *Nature Materials*, **2002**, 1, 190-4	27	858
146	Sidewall functionalization of single-walled carbon nanotubes through electrophilic addition. *Chemical Communications*, **2002**, 2010-1	5.8	59
145	Amino acid functionalisation of water soluble carbon nanotubes. *Chemical Communications*, **2002**, 3050-1	5.8	265
144	Variation of triplet state properties of N-mTEG[60]fulleropyrrolidine bis-adducts as a function of the bond path between the addends. *Research on Chemical Intermediates*, **2002**, 28, 871-877	2.8	1
143	A detailed Raman study on thin single-wall carbon nanotubes prepared by the HiPCO process. *European Physical Journal B*, **2002**, 28, 223-230	1.2	101
142	Supramolecular self-assembled fullerene nanostructures. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 5075-80	11.5	176
141	Small reorganisation energy and unique stabilisation of zwitterionic C60-acceptor moieties. *Chemical Communications*, **2002**, 2320-1	5.8	14

140	Mitochondria are direct targets of the lipoxygenase inhibitor MK886. A strategy for cell killing by combined treatment with MK886 and cyclooxygenase inhibitors. *Journal of Biological Chemistry*, **2002**, 277, 31789-95	5.4	45
139	Layer-by-Layer Construction of Nanostructured Porphyrin□Fullerene Electrodes. *Nano Letters*, **2002**, 2, 965-968	11.5	55
138	Permanent Chiral Twisting of Nonchiral Carbon Nanotubes. *Journal of Physical Chemistry A*, **2002**, 106, 4795-4797	2.8	13
137	Organic functionalization of carbon nanotubes. *Journal of the American Chemical Society*, **2002**, 124, 760-1	16.4	1062
136	C60 in the box. A supramolecular C60□porphyrin assembly. *Journal of Materials Chemistry*, **2002**, 12, 2001-2008		39
135	Optical Limiting Applications. *Developments in Fullerence Science*, **2002**, 295-326		5
134	Purification of HiPCO carbon nanotubes via organic functionalization. *Journal of the American Chemical Society*, **2002**, 124, 14318-9	16.4	190
133	A glutathione amperometric biosensor based on an amphiphilic fullerene redox mediator immobilised within an amphiphilic polypyrrole film. *Journal of Materials Chemistry*, **2002**, 12, 1996-2000		27
132	Photoactive Nanowires in Fullerene□Ferrocene Dyad Polyelectrolyte Multilayers. *Nano Letters*, **2002**, 2, 775-780	11.5	43
131	Reversible zinc phthalocyanine fullerene ensembles. *Chemical Communications*, **2002**, 2774-5	5.8	122
130	Electrochemical properties of a liquid-crystalline mixed fullerene□ferrocene material and related species. *Journal of Materials Chemistry*, **2002**, 12, 829-833		20
129	Production, isolation and structural characterization of [92]fullerene isomers. *Chemical Communications*, **2002**, 2992-3	5.8	18
128	Microwave-assisted purification of HIPCO carbon nanotubes. *Chemical Communications*, **2002**, 2308-9	5.8	50
127	Solid-phase synthesis of fullerene-peptides. *Journal of the American Chemical Society*, **2002**, 124, 12543-9	16.4	67
126	Novel Functional Fullerene Materials: Fullerenes as Energy Acceptors. *Monatshefte F□ Chemie*, **2001**, 132, 63-69	1.4	8
125	Spin correlated radical ion pairs generated by photoinduced electron transfer in composites of sexithiophene/fullerene derivatives: a transient EPR study. *Chemical Physics*, **2001**, 263, 83-94	2.3	24
124	Fullerene-based amino acids and peptides. *Journal of Peptide Science*, **2001**, 7, 208-19	2.1	105
123	Efficient charge separation in porphyrin-fullerene-ligand complexes. *Chemistry - A European Journal*, **2001**, 7, 816-27	4.8	121

122	A mixed fullerene-ferrocene thermotropic liquid crystal: synthesis, liquid-crystalline properties, supramolecular organization and photoinduced electron transfer. *Chemistry - A European Journal*, **2001**, 7, 2595-604	4.8	83
121	Triplet state properties of N-mTEG[60]fulleropyrrolidine mono and bisadduct derivatives. *Chemical Physics Letters*, **2001**, 334, 221-228	2.5	26
120	Photophysical properties of novel water soluble fullerene derivatives. *Chemical Physics Letters*, **2001**, 350, 198-205	2.5	19
119	Novel versatile fullerene synthons. *Journal of Organic Chemistry*, **2001**, 66, 4915-20	4.2	122
118	Synthesis of Fullerene Derivatives for Incorporation in Sol-Gel Glasses. *Journal of Sol-Gel Science and Technology*, **2001**, 22, 237-244	2.3	11
117	Current Chemistry: Fullerene Derivatives as Potential DNA Photoprobes. *Australian Journal of Chemistry*, **2001**, 54, 223	1.2	12
116	A novel [60]fullerene amino acid for use in solid-phase peptide synthesis. *Organic Letters*, **2001**, 3, 1845-8	6.2	60
115	Parallel (face-to-face) versus perpendicular (edge-to-face) alignment of electron donors and acceptors in fullerene porphyrin dyads: the importance of orientation in electron transfer. *Journal of the American Chemical Society*, **2001**, 123, 9166-7	16.4	142
114	DNA-photocleavage agents. *Current Pharmaceutical Design*, **2001**, 7, 1781-821	3.3	47
113	Synthesis of a hybrid fullerene–trimethoxyindole–oligonucleotide conjugate. *Chemical Communications*, **2001**, 17-18	5.8	27
112	Evidence of high charge mobility in photoirradiatedpolythiophene–fullerene composites. *Journal of Materials Chemistry*, **2001**, 11, 981-983		30
111	Time-resolved EPR investigation of intramolecular photoinduced electron transfer in spin-labeled fullerene/ferrocene dyads. *Physical Chemistry Chemical Physics*, **2001**, 3, 3526-3531	3.6	15
110	Isolation and characterization of all eight bisadducts of fulleropyrrolidine derivatives. *Journal of Organic Chemistry*, **2001**, 66, 2802-8	4.2	115
109	Novel Functional Fullerene Materials: Fullerenes as Energy Acceptors **2001**, 63-69		0
108	Schichtweise Organisation photoaktiver Filme auf der Basis von Donor-verknüpften Fullerenen. *Angewandte Chemie*, **2000**, 112, 4052-4056	3.6	8
107	Stepwise Assembled Photoactive Films Containing Donor-Linked Fullerenes. *Angewandte Chemie - International Edition*, **2000**, 39, 3905-3909	16.4	68
106	Optical limiting and non linear optical properties of fullerene derivatives embedded in hybrid sol–gel glasses. *Carbon*, **2000**, 38, 1653-1662	10.4	46
105	Charge separation in fullerene containing donor–bridge–acceptor molecules. *Carbon*, **2000**, 38, 1615-1623	10.4	25

104	Synthetic approaches towards the preparation of water-soluble fulleropyrrolidines. *Carbon*, **2000**, 38, 1551-1555	10.4	12
103	Synthesis and electrochemical properties of ionic fullerene derivatives. *Carbon*, **2000**, 38, 1557-1563	10.4	7
102	Electrochemical properties of soluble fullerene derivatives. *Electrochimica Acta*, **2000**, 46, 265-269	6.7	9
101	Synthesis, electrochemistry, Langmuir–Blodgett deposition and photophysics of metal-coordinated fullerene–porphyrin dyads. *Journal of Organometallic Chemistry*, **2000**, 599, 62-68	2.3	37
100	Antimycobacterial activity of ionic fullerene derivatives. *Bioorganic and Medicinal Chemistry Letters*, **2000**, 10, 1043-5	2.9	110
99	Fullerene derivatives embedded in poly(methylmethacrylate): a laser flash photolysis and time-resolved EPR study. *Chemical Physics*, **2000**, 253, 105-113	2.3	5
98	Ultrafast photogeneration of inter-chain charge pairs in polythiophene films. *Chemical Physics Letters*, **2000**, 322, 136-142	2.5	72
97	Optical Limiting Devices Based on C60 Derivatives in Sol-Gel Hybrid Organic-Inorganic Materials. *Journal of Sol-Gel Science and Technology*, **2000**, 19, 263-266	2.3	25
96	Excited-state properties of C(60) fullerene derivatives. *Accounts of Chemical Research*, **2000**, 33, 695-703	24.3	953
95	Photoinduced electron transfer in multicomponent arraysof a π-stacked fullerene porphyrin dyad and diazabicyclooctane or afulleropyrrolidine ligand. *Chemical Communications*, **2000**, 375-376	5.8	67
94	Additions of Azomethine Ylides to Fullerene C(60) Assisted by a Removable Anchor. *Journal of Organic Chemistry*, **2000**, 65, 4289-4297	4.2	53
93	Charge-transfer in a π-stacked fullerene porphyrin dyad: evidence for back electron transfer in the Marcus-inverted region. *Chemical Communications*, **2000**, 373-374	5.8	84
92	Novel fulleropyrrolidinium-based materials. *Journal of Materials Chemistry*, **2000**, 10, 269-273		21
91	Anion Radicals of Mono- and Bisfulleropyrrolidines: g Tensors, Spin Density Distribution and Spin–Lattice Relaxation. *Journal of Physical Chemistry A*, **2000**, 104, 9853-9863	2.8	26
90	Design and synthesis of novel [60]fullerene derivatives as potential HIV aspartic protease inhibitors. *Organic Letters*, **2000**, 2, 3955-8	6.2	98
89	Molecular and Material Engineering for Optical Limiting with Fullerene Based Sol-Gel Materials **2000**, 83-98		2
88	Fullerene Materials. *Topics in Current Chemistry*, **1999**, 173-187		104
87	Synthesis and Optical-Limiting Behavior of Hybrid Inorganic–Organic Materials from the Sol–Gel Processing of Organofullerenes. *Chemistry - A European Journal*, **1999**, 5, 2501-2510	4.8	42

86	Photoinduced electron transfer in sexithiophene/fullerene derivative blends: evidence of long-lived spin correlated radical pairs. *Chemical Communications*, **1999**, 429-430	5.8	12
85	Optical limiting of multilayer sol-gel structures containing fullerenes. *Synthetic Metals*, **1999**, 103, 2474-2475	3.8	8
84	Medicinal chemistry with fullerenes and fullerene derivatives. *Chemical Communications*, **1999**, 663-669	5.8	385
83	Preferential Orientation of Fulleropyrrolidine Bisadducts in E7 Liquid Crystal: A Time-Resolved Electron Paramagnetic Resonance Study. *Journal of Physical Chemistry B*, **1999**, 103, 11275-11281	3.4	11
82	A noncovalently linked, dynamic fullerene porphyrin dyad. Efficient formation of long-lived charge separated states through complex dissociation. *Chemical Communications*, **1999**, 635-636	5.8	68
81	Synthesis and Properties of Novel Functional Fullerene Derivatives **1999**, 331-337		
80	Enzymatic modification of fullerene derivatives. *Tetrahedron Letters*, **1998**, 39, 7791-7794	2	20
79	Trans-cis amide bond isomerization in fulleroprolines. *Journal of Peptide Science*, **1998**, 4, 364-8	2.1	12
78	Enhanced Acceptor Character in Fullerene Derivatives. Synthesis and Electrochemical Properties of Fulleropyrrolidinium Salts. *Journal of the American Chemical Society*, **1998**, 120, 11645-11648	16.4	78
77	Fulleropyrrolidines: A Family of Full-Fledged Fullerene Derivatives. *Accounts of Chemical Research*, **1998**, 31, 519-526	24.3	721
76	Beta-turn induction by C60-based fulleroproline: synthesis and conformational characterization of Fpr/Pro small peptides. *Chemical Biology and Drug Design*, **1997**, 50, 159-70		18
75	EPR studies of electron transfer processes in composites of substituted sexithiophenes with fullerene derivatives **1997**, 3142, 112		
74	Preparation and deposition of stable monolayers of fullerene derivatives. *Journal of Materials Chemistry*, **1997**, 7, 2397-2400		34
73	Transient EPR Studies of Excited Triplet States in Polyadducts of C60 and Bis(ethoxycarbonyl)methylene. *Journal of the American Chemical Society*, **1997**, 119, 12902-12905	16.4	15
72	Through bond mechanism versus exciplex formation in the photochemistry of fullerene / ferrocene donor-bridge-acceptor dyads. *Research on Chemical Intermediates*, **1997**, 23, 561-573	2.8	8
71	Cycloaddition of nitrile oxides to [60]fullerene. *Chemical Communications*, **1997**, 59-60	5.8	23
70	Use of Transient EPR Spectroscopy of Excited Triplet State for the Structural Assignment of Bisadducts of Fullerene C60. *Journal of the American Chemical Society*, **1997**, 119, 12896-12901	16.4	52
69	Synthesis and EPR Studies of Radicals and Biradical Anions of C60Nitroxide Derivatives. *Journal of the American Chemical Society*, **1997**, 119, 789-795	16.4	48

68	Molecular Recognition by a Silica-Bound Fullerene Derivative. *Journal of the American Chemical Society*, **1997**, 119, 7550-7554	16.4	79
67	Intramolecular Electron Transfer in Fullerene/Ferrocene Based Donor-Bridge-Acceptor Dyads. *Journal of the American Chemical Society*, **1997**, 119, 974-980	16.4	290
66	Sol-gel materials embedding fullerene derivatives for optical limiting. *Synthetic Metals*, **1997**, 86, 2353-2354	3.6	22
65	[60]Fullerene chemistry for materials science applications. *Journal of Materials Chemistry*, **1997**, 7, 1097-1109		721
64	Preparation and Characterization of Fullerenes Containing Sol-Gel Glass. *Journal of Sol-Gel Science and Technology*, **1997**, 8, 609-613	2.3	
63	Preparation and characterization of fullerences containing sol-gel glass. *Journal of Sol-Gel Science and Technology*, **1997**, 8, 609-613	2.3	5
62	Fullerene Derivatives in Poly(methyl methacrylate): An EPR and Zero-Field ODMR Study of Their Photoexcited Triplet States. *The Journal of Physical Chemistry*, **1996**, 100, 13416-13420		17
61	Synthesis, Chiroptical Properties, and Configurational Assignment of Fulleroproline Derivatives and Peptides. *Journal of the American Chemical Society*, **1996**, 118, 4072-4080	16.4	115
60	Synthesis and applications of fulleropyrrolidines. *Synthetic Metals*, **1996**, 77, 89-91	3.6	19
59	Easy Access to Water-Soluble Fullerene Derivatives via 1,3-Dipolar Cycloadditions of Azomethine Ylides to C(60). *Journal of Organic Chemistry*, **1996**, 61, 9070-9072	4.2	149
58	Optical limiting properties of soluble fullerene derivatives for incorporation in sol-gel materials. *Chemical Communications*, **1996**, 1891-1892	5.8	45
57	Stereoselective additions to [60]fullerene. *Chemical Communications*, **1996**, 903	5.8	30
56	Fullerene derivatives embedded in sol-gel materials for optical limiting **1996**, 2854, 130		5
55	Synthesis and electrochemical properties of substituted fulleropyrrolidines. *Tetrahedron*, **1996**, 52, 5221-5234	2.4	235
54	Organic Functionalization of Fullerenes: Toward Materials and Biological Applications **1996**, 285-294		1
53	Optical Limiting of Fullerene Derivatives Embedded in Sol-Gel Materials **1996**, 159-174		7
52	Regioselective Multiple Additions to Buckminsterfullerene **1996**, 267-283		1
51	Synthesis and characterization of both enantiomers of a chiral C60 derivative with C2 symmetry. *Tetrahedron Letters*, **1995**, 36, 2845-2846	2	24

50	C60 Derivative Covalently Linked to a Nitroxide Radical: Time-Resolved EPR Evidence of Electron Spin Polarization by Intramolecular Radical-Triplet Pair Interaction. *Journal of the American Chemical Society*, **1995**, 117, 8857-8858	16.4	159
49	Electrochemical Monitoring of Valence Bond Isomers Interconversion in Bipyridyl-C61 Anions. *Journal of the American Chemical Society*, **1995**, 117, 6572-6580	16.4	53
48	There Is a Hole in My Bucky. *Journal of the American Chemical Society*, **1995**, 117, 7003-7004	16.4	211
47	A New C60 Polymer via Ring-Opening Metathesis Polymerization. *Chemistry of Materials*, **1995**, 7, 441-443	9.6	50
46	Synthesis of a [60]fullerene derivative covalently linked to a ruthenium(II) tris(bipyridine) complex. *Journal of the Chemical Society Chemical Communications*, **1995**, 845-846		62
45	Photoinduced electron transfer and long lived charge separation in a donor-bridge-acceptor supramolecular diad consisting of ruthenium(II) tris(bipyridine) functionalized C60. *Chemical Physics Letters*, **1995**, 247, 510-514	2.5	90
44	C60 derivatives embedded in sol-gel silica films. *Advanced Materials*, **1995**, 7, 404-406	24	68
43	Ringexpansion des Fullerengerüstes durch hochregioselektive Bildung von Diazafulleroiden. *Angewandte Chemie*, **1995**, 107, 1462-1464	3.6	46
42	Elektrochemischer Nachweis von "through-space"-Wechselwirkungen in Spiromethanofullerenen. *Angewandte Chemie*, **1995**, 107, 1733-1735	3.6	13
41	Ring Expansion of the Fullerene Core by Highly Regioselective Formation of Diazafulleroids. *Angewandte Chemie International Edition in English*, **1995**, 34, 1343-1345		133
40	Electrochemical Evidence for Through-Space Orbital Interactions in Spiromethanofullerenes. *Angewandte Chemie International Edition in English*, **1995**, 34, 1591-1594		81
39	The Addition of Diazo Compounds to C60 as a Way to the Understanding of the Electronic and Magnetic Properties of Fullerenes **1994**, 97-116		3
38	Synthesis of N-acylated fulleropyrrolidines: New materials for the preparation of Langmuir-Blodgett films containing fullerenes. *Tetrahedron Letters*, **1994**, 35, 2985-2988	2	78
37	Addition reactions of C60 leading to fulleroprolines. *Journal of the Chemical Society Chemical Communications*, **1994**, 305		73
36	A bioactive fullerene peptide. *Journal of Medicinal Chemistry*, **1994**, 37, 4558-62	8.3	106
35	Ferrocenyl fulleropyrrolidines: a cyclic voltammetry study. *Journal of the Chemical Society Chemical Communications*, **1994**, 589-590		85
34	Electrochemically Induced Isomerization of a Fulleroid to a Methanofullerene. *Journal of the American Chemical Society*, **1994**, 116, 8364-8365	16.4	76
33	Incorporation of an Acyl Group in Fulleropyrrolidines: Effects on Langmuir Monolayers. *Langmuir*, **1994**, 10, 4164-4166	4	46

32	Embedding Fullerenes in Thin Sol-Gel Films. *Materials Research Society Symposia Proceedings*, **1994**, 359, 351		1
31	Addition of azides to fullerene C60: synthesis of azafulleroids. *Journal of the American Chemical Society*, **1993**, 115, 1148-1150	16.4	300
30	[3 + 2] and [4 + 2] Cycloadditions of fullerene C60. *Journal of the American Chemical Society*, **1993**, 115, 1594-1595	16.4	136
29	Probing the properties of C60 through fulleroids ABC61. *Synthetic Metals*, **1993**, 59, 297-305	3.6	38
28	Experimental evidence for segregated ring currents in C60. *Journal of the American Chemical Society*, **1993**, 115, 7876-7877	16.4	80
27	Chemical derivatization of organofullerenes through oxidation, reduction, and carbon-oxygen and carbon-carbon bond-forming reactions. *Journal of Organic Chemistry*, **1993**, 58, 4796-4798	4.2	29
26	Synthesis and characterization of the first fullerene-peptide. *Journal of Organic Chemistry*, **1993**, 58, 5578-5580	4.2	60
25	Addition of quadricyclane to C60: easy access to fullerene derivatives bearing a reactive double bond in the side chain. *Journal of Organic Chemistry*, **1993**, 58, 3613-3615	4.2	18
24	Energetic preference in 5,6 and 6,6 ring junction adducts of C60: fulleroids and methanofullerenes. *Journal of the American Chemical Society*, **1993**, 115, 8479-8480	16.4	131
23	Addition of azomethine ylides to C60: synthesis, characterization, and functionalization of fullerene pyrrolidines. *Journal of the American Chemical Society*, **1993**, 115, 9798-9799	16.4	1124
22	A simple Soxhlet chromatographic method for the isolation of pure fullerenes C60 and C70. *Journal of Organic Chemistry*, **1992**, 57, 3254-3256	4.2	62
21	Acid-catalysed addition of N-aryl imines to dihydrofuran. Postulated dependence of the reaction mechanism on the relative face of approach of reactants. *Journal of the Chemical Society Perkin Transactions II*, **1992**, 259		34
20	Synthesis of (□)-8-deoxy-7-hydroxy-swainsonine and (±)-6,8-dideoxy-castanospermine. *Tetrahedron Letters*, **1992**, 33, 6537-6540	2	31
19	2-azanorbornadiene. *Tetrahedron Letters*, **1991**, 32, 6957-6960	2	3
18	Oxidation of diazo compounds by dimethyl dioxirane: an extremely mild and efficient method for the preparation of labile α-oso-aldehydes. *Tetrahedron Letters*, **1991**, 32, 6215-6218	2	38
17	A general procedure for the fluorodenitration of aromatic substrates. *Journal of Organic Chemistry*, **1991**, 56, 6406-6411	4.2	33
16	Imino Diels-Alder cycloadditions: An application to the synthesis of (±)-aristeromycin. *Tetrahedron Letters*, **1990**, 31, 6243-6246	2	38
15	A New Synthesis of 3-Fluorophthalic Anhydride. *Journal of Fluorine Chemistry*, **1990**, 50, 251-255	2.1	0

14	The aza-robinson annulation: An application to the synthesis of iso-A58365A. *Tetrahedron Letters*, **1989**, 30, 3625-3628	2	52
13	Diastereofacial selectivity in the cycloaddition of chiral glyoxylate imines to cyclopentadiene and indene: synthesis of optically active tetrahydroquinolines. *Journal of the Chemical Society Perkin Transactions 1*, **1989**, 2245		37
12	Synthesis and cycloaddition reactions of ethyl glyoxylate imines. Synthesis of substituted furo-[3,2-c]quinolines and 7H-indeno[2,1-c]quinolines. *Journal of Heterocyclic Chemistry*, **1988**, 25, 1831-1835	1.9	51
11	Cycloaddition reactions of .alpha.-keto imines. Regio- and stereoselectivities in the dienic and dienophilic additions to conjugated dienes. *Journal of Organic Chemistry*, **1988**, 53, 2251-2258	4.2	72
10	Cycloaddition reactions of ketoimines. Part II. Synthesis of substituted phenanthridines and cyclopenta[c]quinolines. *Journal of Heterocyclic Chemistry*, **1986**, 23, 1135-1139	1.9	7
9	The reaction of anils with conjugated dienes. *Journal of the Chemical Society Chemical Communications*, **1984**, 48		9
8	Reduction and substitution in the reaction of 4-chloronitrobenzene with alkoxides. *Journal of Organic Chemistry*, **1980**, 45, 2263-2264	4.2	13
7	Carbon-Based Nanomaterial Applications in Biomedicine199-232		3
6	Functionalization of Carbon Nanotubes1-57		4
5	Carbon Nanotube Membranes in Water Treatment Applications. *Advanced Materials Interfaces*,2101260	4.6	5
4	Supramolecular organic□horganic domains integrating fullerene-based acceptors with polyoxometalate-bis-pyrene tweezers for organic photovoltaic applications. *Journal of Materials Chemistry C*,	7.1	2
3	Elucidating the electronic properties of single-wall carbon nanohorns. *Journal of Materials Chemistry C*,	7.1	0
2	Unveiling the Synthetic Potential of Substituted Phenols as Fully Recyclable Organophotoredox Catalysts for the Iodosulfonylation of Olefins. *ACS Catalysis*,4290-4295	13.1	1
1	Efficient and Stable Perovskite Solar Cells based on Nitrogen-Doped Carbon Nanodots. *Energy Technology*,2101059	3.5	0