

Michael Holzinger

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133
papers

8,256
citations

44
h-index

89
g-index

143
ext. papers

8,978
ext. citations

8.2
avg, IF

6.18
L-index

#	Paper	IF	Citations
133	First Eurasian conference on nanotechnology, Baku, Azerbaijan photoelectrochemically-assisted bioanode constructed by Ru-complex and g-C3N4 coated MWCNT electrode. <i>Materials Today: Proceedings</i> , 2021 , 42, 1538-1541	1.4	
132	Insights into carbon nanotube-assisted electro-oxidation of polycyclic aromatic hydrocarbons for mediated bioelectrocatalysis. <i>Chemical Communications</i> , 2021 , 57, 8957-8960	5.8	0
131	Electrochemical modification at multiwalled carbon nanotube electrodes with Azure A for FAD-glucose dehydrogenase wiring: structural optimization to enhance catalytic activity and stability. <i>JPhys Energy</i> , 2021 , 3, 024004	4.9	2
130	Polymers and nano-objects, a rational combination for developing health monitoring biosensors. <i>Sensors and Actuators B: Chemical</i> , 2021 , 348, 130700	8.5	4
129	Voltammetric sensing of recombinant viral dengue virus 2 NS1 based on Au nanoparticle-decorated multiwalled carbon nanotube composites. <i>Mikrochimica Acta</i> , 2020 , 187, 363	5.8	23
128	Carbon science perspective in 2020: Current research and future challenges. <i>Carbon</i> , 2020 , 161, 373-391	10.4	35
127	Functionalized tungsten disulfide nanotubes for dopamine and catechol detection in a tyrosinase-based amperometric biosensor design. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 3566-3573	7.3	17
126	Functionalization of Contacted Carbon Nanotube Forests by Dip Coating for High-Performance Biocathodes. <i>ChemElectroChem</i> , 2020 , 7, 4685-4689	4.3	1
125	Photoelectrochemically-assisted biofuel cell constructed by redox complex and g-CN coated MWCNT bioanode. <i>Biosensors and Bioelectronics</i> , 2020 , 169, 112601	11.8	10
124	Diazonium Electrografting vs. Physical Adsorption of Azure A at Carbon Nanotubes for Mediated Glucose Oxidation with FAD-GDH. <i>ChemElectroChem</i> , 2020 , 7, 4543-4549	4.3	9
123	Electrosynthesis of Pyrenediones on Carbon Nanotube Electrodes for Efficient Electron Transfer with FAD-dependent Glucose Dehydrogenase in Biofuel Cell Anodes. <i>ChemElectroChem</i> , 2019 , 6, 5242-5247	4.3	12
122	Molecular Design of Glucose Biofuel Cell Electrodes 2019 , 287-306		
121	1. Buckypapers for bioelectrochemical applications 2019 , 1-22		3
120	Dawson-type polyoxometalate nanoclusters confined in a carbon nanotube matrix as efficient redox mediators for enzymatic glucose biofuel cell anodes and glucose biosensors. <i>Biosensors and Bioelectronics</i> , 2018 , 109, 20-26	11.8	44
119	Impedimetric quantification of anti-dengue antibodies using functional carbon nanotube deposits validated with blood plasma assays. <i>Electrochimica Acta</i> , 2018 , 274, 84-90	6.7	22
118	Comparison of Commercial and Lab-made MWCNT Buckypaper: Physicochemical Properties and Bioelectrocatalytic O2 Reduction. <i>Electroanalysis</i> , 2018 , 30, 1511-1520	3	12
117	Glucose oxidase bioanodes for glucose conversion and H2O2 production for horseradish peroxidase biocathodes in a flow through glucose biofuel cell design. <i>Journal of Power Sources</i> , 2018 , 392, 176-180	8.9	28

116	Molecular engineering of the bio/nano-interface for enzymatic electrocatalysis in fuel cells. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2555-2566	5.8	19
115	Carbon nanotube-based flexible biocathode for enzymatic biofuel cells by spray coating. <i>Journal of Power Sources</i> , 2018 , 408, 1-6	8.9	18
114	Towards eco-friendly power sources: In series connected glucose biofuel cells power a disposable ovulation test. <i>Sensors and Actuators B: Chemical</i> , 2018 , 277, 360-364	8.5	10
113	Buckypaper bioelectrodes: emerging materials for implantable and wearable biofuel cells. <i>Energy and Environmental Science</i> , 2018 , 11, 1670-1687	35.4	87
112	Beyond the hype surrounding biofuel cells: What's the future of enzymatic fuel cells?. <i>Current Opinion in Electrochemistry</i> , 2018 , 12, 148-155	7.2	55
111	Interprotein Electron Transfer between FeS-Protein Nanowires and Oxygen-Tolerant NiFe Hydrogenase. <i>Angewandte Chemie</i> , 2017 , 129, 7882-7886	3.6	2
110	Interprotein Electron Transfer between FeS-Protein Nanowires and Oxygen-Tolerant NiFe Hydrogenase. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7774-7778	16.4	12
109	A High Power Buckypaper Biofuel Cell: Exploiting 1,10-Phenanthroline-5,6-dione with FAD-Dependent Dehydrogenase for Catalytically-Powerful Glucose Oxidation. <i>ACS Catalysis</i> , 2017 , 7, 4408-4416	13.1	61
108	Controlled carbon nanotube layers for impedimetric immunosensors: High performance label free detection and quantification of anti-cholera toxin antibody. <i>Biosensors and Bioelectronics</i> , 2017 , 97, 177-183	11.8	27
107	Hydrazine Electrooxidation with PdNPs and Its Application for a Hybrid Self-Powered Sensor and N2H4 Decontamination. <i>Journal of the Electrochemical Society</i> , 2017 , 164, H3052-H3057	3.9	8
106	Tuning the redox potential of vitamin K derivatives by oxidative functionalization using a Ag(i)/GO catalyst. <i>Chemical Communications</i> , 2017 , 53, 8890-8893	5.8	8
105	Assembly and Stacking of Flow-through Enzymatic Bioelectrodes for High Power Glucose Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23836-23842	9.5	32
104	A synthetic redox biofilm made from metalloprotein-prion domain chimera nanowires. <i>Nature Chemistry</i> , 2017 , 9, 157-163	17.6	62
103	Flotation Assembly of Large-Area Ultrathin MWCNT Nanofilms for Construction of Bioelectrodes. <i>Nanomaterials</i> , 2017 , 7,	5.4	3
102	Synergetic Effects of Combined Nanomaterials for Biosensing Applications. <i>Sensors</i> , 2017 , 17,	3.8	34
101	Osmium(II) Complexes Bearing Chelating N-Heterocyclic Carbene and Pyrene-Modified Ligands: Surface Electrochemistry and Electron Transfer Mediation of Oxygen Reduction by Multicopper Enzymes. <i>Organometallics</i> , 2016 , 35, 2987-2992	3.8	19
100	Polyoxometalate [PMo11O39]7-@carbon nanocomposites for sensitive amperometric detection of nitrite. <i>Electrochimica Acta</i> , 2016 , 222, 402-408	6.7	20
99	Enzymatic versus Electrocatalytic Oxidation of NADH at Carbon-Nanotube Electrodes Modified with Glucose Dehydrogenases: Application in a Bucky-Paper-Based Glucose Enzymatic Fuel Cell. <i>ChemElectroChem</i> , 2016 , 3, 2058-2062	4.3	14

98	Recent advances on enzymatic glucose/oxygen and hydrogen/oxygen biofuel cells: Achievements and limitations. <i>Journal of Power Sources</i> , 2016 , 325, 252-263	8.9	162
97	Glucose fuel cell based on carbon nanotube-supported pyrene-metalloporphyrin catalysts. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10635-10640	13	26
96	Hosting Adamantane in the Substrate Pocket of Laccase: Direct Bioelectrocatalytic Reduction of O ₂ on Functionalized Carbon Nanotubes. <i>ACS Catalysis</i> , 2016 , 6, 4259-4264	13.1	47
95	Direct Electron Transfer between a Site-Specific Pyrene-Modified Laccase and Carbon Nanotube/Gold Nanoparticle Supramolecular Assemblies for Bioelectrocatalytic Dioxygen Reduction. <i>ACS Catalysis</i> , 2016 , 6, 1894-1900	13.1	65
94	Diazonium Functionalisation of Carbon Nanotubes for Specific Orientation of Multicopper Oxidases: Controlling Electron Entry Points and Oxygen Diffusion to the Enzyme. <i>Chemistry - A European Journal</i> , 2016 , 22, 10494-500	4.8	48
93	Electrocatalytic O ₂ Reduction at a Bio-inspired Mononuclear Copper Phenolato Complex Immobilized on a Carbon Nanotube Electrode. <i>Angewandte Chemie</i> , 2016 , 128, 2563-2566	3.6	15
92	Electrocatalytic O ₂ Reduction at a Bio-inspired Mononuclear Copper Phenolato Complex Immobilized on a Carbon Nanotube Electrode. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2517-20	16.4	54
91	Cubic PdNP-based air-breathing cathodes integrated in glucose hybrid biofuel cells. <i>Nanoscale</i> , 2016 , 8, 10433-40	7.7	11
90	Recent progress in oxygen-reducing laccase biocathodes for enzymatic biofuel cells. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 941-52	10.3	125
89	High performance miniature glucose/O ₂ fuel cell based on porous silicon anion exchange membrane. <i>Electrochemistry Communications</i> , 2015 , 54, 10-13	5.1	14
88	Laccase wiring on free-standing electrospun carbon nanofibres using a mediator plug. <i>Chemical Communications</i> , 2015 , 51, 14574-7	5.8	11
87	A membraneless air-breathing hydrogen biofuel cell based on direct wiring of thermostable enzymes on carbon nanotube electrodes. <i>Chemical Communications</i> , 2015 , 51, 7447-50	5.8	70
86	A H ₂ /O ₂ enzymatic fuel cell as a sustainable power for a wireless device. <i>Electrochemistry Communications</i> , 2015 , 60, 216-220	5.1	32
85	Layer-by-layer scaffold formation using magnetic attraction between HiPCO single-walled carbon nanotubes and magnetic nanoparticles: Application for high performance immunosensors. <i>Carbon</i> , 2015 , 81, 731-738	10.4	4
84	Fully Oriented Bilirubin Oxidase on Porphyrin-Functionalized Carbon Nanotube Electrodes for Electrocatalytic Oxygen Reduction. <i>Chemistry - A European Journal</i> , 2015 , 21, 16868-73	4.8	69
83	Freestanding HRP/Ox redox buckypaper as an oxygen-reducing biocathode for biofuel cell applications. <i>Energy and Environmental Science</i> , 2015 , 8, 2069-2074	35.4	63
82	One-year stability for a glucose/oxygen biofuel cell combined with pH reactivation of the laccase/carbon nanotube biocathode. <i>Bioelectrochemistry</i> , 2015 , 106, 73-6	5.6	50
81	Synthesis and electrochemical characterization of original TEMPO-functionalized multiwall carbon nanotube materials: Application to iron (II) detection. <i>Electrochemistry Communications</i> , 2015 , 60, 131-134	5.1	11

80	Wiring laccase on covalently modified graphene: carbon nanotube assemblies for the direct bio-electrocatalytic reduction of oxygen. <i>Chemistry - A European Journal</i> , 2015 , 21, 3198-201	4.8	40
79	Chemically reduced electrospun polyacrylonitrile-carbon nanotube nanofibers hydrogels as electrode material for bioelectrochemical applications. <i>Carbon</i> , 2015 , 87, 233-238	10.4	24
78	Noncovalently functionalized monolayer graphene for sensitivity enhancement of surface plasmon resonance immunosensors. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2800-3	16.4	158
77	Supercapacitor/biofuel cell hybrids based on wired enzymes on carbon nanotube matrices: autonomous reloading after high power pulses in neutral buffered glucose solutions. <i>Energy and Environmental Science</i> , 2014 , 7, 1884-1888	35.4	106
76	Towards glucose biofuel cells implanted in human body for powering artificial organs: Review. <i>Electrochemistry Communications</i> , 2014 , 38, 19-23	5.1	217
75	Permeability improvements of electropolymerized polypyrrole films using dissolvable nano-CaCO ₃ particle templates. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5052-5	3.6	2
74	Non-covalent functionalization of carbon nanotubes with boronic acids for the wiring of glycosylated redox enzymes in oxygen-reducing biocathodes. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 2228-2232	7.3	38
73	Supramolecular immobilization of bio-entities for bioelectrochemical applications. <i>New Journal of Chemistry</i> , 2014 , 38, 5173-5180	3.6	13
72	From gold porphyrins to gold nanoparticles: catalytic nanomaterials for glucose oxidation. <i>Nanoscale</i> , 2014 , 6, 8556-60	7.7	18
71	Electrochemical nanopatterning of an electrogenerated photosensitive poly-[trisbipyridinyl-pyrrole ruthenium(II)] metallopolymer by nanosphere lithography. <i>Electrochemistry Communications</i> , 2014 , 46, 75-78	5.1	10
70	Freestanding redox buckypaper electrodes from multi-wall carbon nanotubes for bioelectrocatalytic oxygen reduction via mediated electron transfer. <i>Chemical Science</i> , 2014 , 5, 2885-2888	8.4	43
69	Electroanalytical Sensing Properties of Pristine and Functionalized Multilayer Graphene. <i>Chemistry of Materials</i> , 2014 , 26, 1807-1812	9.6	40
68	MWCNT-supported phthalocyanine cobalt as air-breathing cathodic catalyst in glucose/O ₂ fuel cells. <i>Journal of Power Sources</i> , 2014 , 255, 24-28	8.9	31
67	Micro- to nanostructured poly(pyrrole-nitilotriacetic acid) films via nanosphere templates: applications to 3D enzyme attachment by affinity interactions. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 1141-7	4.4	18
66	Enzymatic Fuel Cells: From Design to Implantation in Mammals 2014 , 347-362		2
65	Nanomaterials for biosensing applications: a review. <i>Frontiers in Chemistry</i> , 2014 , 2, 63	5	587
64	Recent advances in carbon nanotube-based enzymatic fuel cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014 , 2, 45	5.8	62
63	Nanotubes and nanoparticles based 3D scaffolds for the construction of high performance Biosensors. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1700, 97-102		

62	Carbon Nanotube Matrices for Enzymatic Glucose Biofuel Cells: Shapes and Growth 2014 , 1-10		1
61	Efficient direct oxygen reduction by laccases attached and oriented on pyrene-functionalized polypyrrole/carbon nanotube electrodes. <i>Chemical Communications</i> , 2013 , 49, 9281-3	5.8	73
60	Impedimetric biosensor for cancer cell detection. <i>Electrochemistry Communications</i> , 2013 , 37, 36-39	5.1	27
59	Single glucose biofuel cells implanted in rats power electronic devices. <i>Scientific Reports</i> , 2013 , 3, 1516	4.9	261
58	A double-walled carbon nanotube-based glucose/H ₂ O ₂ biofuel cell operating under physiological conditions. <i>Electrochemistry Communications</i> , 2013 , 34, 105-108	5.1	46
57	Electrogenerated trisbipyridyl Ru(II)-/nitritotriacetic-polypyrrene copolymer for the easy fabrication of label-free photoelectrochemical immunosensor and aptasensor: application to the determination of thrombin and anti-cholera toxin antibody. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 556-62	11.8	50
56	Nanomaterials for Enzyme Biofuel Cells 2013 , 49-66		
55	Supramolecular immobilization of laccase on carbon nanotube electrodes functionalized with (methylpyrenylaminomethyl)anthraquinone for direct electron reduction of oxygen. <i>Chemistry - A European Journal</i> , 2013 , 19, 9371-5	4.8	68
54	High power enzymatic biofuel cell based on naphthoquinone-mediated oxidation of glucose by glucose oxidase in a carbon nanotube 3D matrix. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 4892-6	3.6	138
53	3D-nanostructured scaffold electrodes based on single-walled carbon nanotubes and nanodiamonds for high performance biosensors. <i>Carbon</i> , 2013 , 61, 349-356	10.4	18
52	Prussian blue-functionalised graphene in the amperometric detection of peroxide and hydrazine 2013 , 01, 58-62		2
51	Direct electron transfer between tyrosinase and multi-walled carbon nanotubes for bioelectrocatalytic oxygen reduction. <i>Electrochemistry Communications</i> , 2012 , 20, 19-22	5.1	39
50	Biotin- β -cyclodextrin: a new host-guest system for the immobilization of biomolecules. <i>Langmuir</i> , 2012 , 28, 12569-74	4	30
49	Carbon nanotube/enzyme biofuel cells. <i>Electrochimica Acta</i> , 2012 , 82, 179-190	6.7	192
48	In situ synthesis of stable mixed ligand Fe ²⁺ complexes on bipyridinyl functionalized electrodes and nanotube supports. <i>Chemical Communications</i> , 2012 , 48, 6121-3	5.8	5
47	Electrocatalytic oxidation of glucose by rhodium porphyrin-functionalized MWCNT electrodes: application to a fully molecular catalyst-based glucose/O ₂ fuel cell. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14078-85	16.4	100
46	Simultaneous electrochemical determination of dopamine and paracetamol based on thin pyrolytic carbon films. <i>Analytical Methods</i> , 2012 , 4, 2048	3.2	74
45	DMF-exfoliated graphene for electrochemical NADH detection. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 7747-50	3.6	74

44	Electrosynthesized polymers for biosensing. <i>Chemical Society Reviews</i> , 2011 , 40, 2146-56	58.5	132
43	Mediatorless high-power glucose biofuel cells based on compressed carbon nanotube-enzyme electrodes. <i>Nature Communications</i> , 2011 , 2, 370	17.4	457
42	Multiple functionalization of single-walled carbon nanotubes by dip coating. <i>Chemical Communications</i> , 2011 , 47, 2450-2	5.8	48
41	Enzymatic biosensors based on SWCNT-conducting polymer electrodes. <i>Analyst, The</i> , 2011 , 136, 1279-875		110
40	Three-dimensional carbon nanotube/polypyrrole/[NiFe] hydrogenase electrodes for the efficient electrocatalytic oxidation of H ₂ . <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 12096-12101	6.7	41
39	Tris(bispyrene-bipyridine)iron(II): a supramolecular bridge for the biofunctionalization of carbon nanotubes via π -stacking and pyrene/ β -cyclodextrin host-guest interactions. <i>Chemistry - A European Journal</i> , 2011 , 17, 10216-21	4.8	43
38	Pyrene-adamantane- β -cyclodextrin: An efficient host-guest system for the biofunctionalization of SWCNT electrodes. <i>Carbon</i> , 2011 , 49, 2571-2578	10.4	31
37	Characterization of multi-walled carbon nanotube electrodes functionalized by electropolymerized tris(pyrrole-ether bipyridine) ruthenium (II). <i>Electrochimica Acta</i> , 2011 , 56, 3633-3640	6.7	14
36	Poly(brilliant cresyl blue) electrogenerated on single-walled carbon nanotubes modified electrode and its application in mediated biosensing system. <i>Sensors and Actuators B: Chemical</i> , 2011 , 152, 14-20	8.5	18
35	Label-free femtomolar detection of target DNA by impedimetric DNA sensor based on poly(pyrrole-nitrilotriacetic acid) film. <i>Analytical Chemistry</i> , 2010 , 82, 1066-72	7.8	81
34	Pyrene functionalized single-walled carbon nanotubes as precursors for high performance biosensors. <i>Electrochimica Acta</i> , 2010 , 55, 7800-7803	6.7	25
33	Laccase electrodes based on the combination of single-walled carbon nanotubes and redox layered double hydroxides: Towards the development of biocathode for biofuel cells. <i>Journal of Power Sources</i> , 2010 , 195, 4714-4717	8.9	40
32	Enhanced Direct Electron Transfer of a Multihemic Nitrite Reductase on Single-walled Carbon Nanotube Modified Electrodes. <i>Electroanalysis</i> , 2010 , 22, 2973-2978	3	25
31	Biosensors Based on Electropolymerized Films 2010 , 189-213		7
30	Immobilization of biotinylated biomolecules onto electropolymerized poly(pyrrole-nitrilotriacetic acid)/Cu ²⁺ film. <i>Electrochemistry Communications</i> , 2010 , 12, 1287-1290	5.1	27
29	Adamantane/ β -cyclodextrin affinity biosensors based on single-walled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1128-34	11.8	84
28	Non-covalent biofunctionalization of single-walled carbon nanotubes via biotin attachment by π -stacking interactions and pyrrole polymerization. <i>Analyst, The</i> , 2009 , 134, 2412-8	5	44
27	Amperometric biosensors based on biotinylated single-walled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6042-6	1.3	17

26	Electrochemical Characterization of Biotin Functionalized and Regular Single-Walled Carbon Nanotube Coatings. Application to Amperometric Glucose Biosensors. <i>Sensor Letters</i> , 2009 , 7, 801-805	0.9	9
25	Aqueous dispersions of SWCNTs using pyrrolic surfactants for the electro-generation of homogeneous nanotube composites. Application to the design of an amperometric biosensor. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5129		36
24	Electrochemical fabrication of novel fluorescent polymeric film: Poly(pyrrole-pyrene). <i>Electrochemistry Communications</i> , 2008 , 10, 1423-1426	5.1	18
23	Design of carbon nanotube-polymer frameworks by electropolymerization of SWCNT-pyrrole derivatives. <i>Electrochimica Acta</i> , 2008 , 53, 3948-3954	6.7	30
22	Chapter 18 Immunosensors for clinical and environmental applications based on electropolymerized films: analysis of cholera toxin and hepatitis C virus antibodies in water and serum. <i>Comprehensive Analytical Chemistry</i> , 2007 , 49, 381-402	1.9	
21	Production of pure nanotube fibers using a modified wet-spinning method. <i>Carbon</i> , 2005 , 43, 2397-2400	10.4	102
20	Purification and Functionalisation of Nitrogen-Doped Single-Walled Carbon Nanotubes. <i>AIP Conference Proceedings</i> , 2005 ,	0	6
19	Route for Single-Walled Nanotube-Polymer Composites. <i>AIP Conference Proceedings</i> , 2004 ,	0	1
18	[2+1] cycloaddition for cross-linking SWCNTs. <i>Carbon</i> , 2004 , 42, 941-947	10.4	103
17	Purification of Single-Walled Carbon Nanotubes Studied by STM and STS. <i>AIP Conference Proceedings</i> , 2003 ,	0	1
16	Synthesis of C and CN _x Nanotubes, Using the Aerosol Method. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 772, 261		1
15	Functionalization of single-walled carbon nanotubes with (R-)oxycarbonyl nitrenes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 8566-80	16.4	475
14	Ropes of Carbon Nanotubes Intramolecular Junctions. <i>Synthetic Metals</i> , 2003 , 137, 1203-1204	3.6	9
13	Synthesis of highly nitrogen-doped multi-walled carbon nanotubes. <i>Chemical Communications</i> , 2003 , 2542-3	5.8	158
12	First comparative emission assay of single-wall carbon nanotubes--solutions and dispersions. <i>Chemical Communications</i> , 2003 , 1130-1	5.8	51
11	Characterization of oxidized SWCNTs by XPS. <i>AIP Conference Proceedings</i> , 2002 ,	0	2
10	Organic functionalization of carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 760-764	16.4	1062
9	On the Stacking Behavior of Functionalized Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 6374-6380	3.4	73

8	¹³ C NMR investigation of carbon nanotubes and derivatives. <i>Current Applied Physics</i> , 2001 , 1, 149-155	2.6	36
7	Seitenwandfunktionalisierung von Kohlenstoff-Nanoröhren. <i>Angewandte Chemie</i> , 2001 , 113, 4132-4136	3.6	27
6	Sidewall Functionalization of Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 4002-4005	16.4	514
5	Sidewall Functionalization of Carbon Nanotubes This work was supported by the European Union under the 5th Framework Research Training Network 1999, HPRNT 1999-00011 FUNCARS.. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 4002-4005	16.4	20
4	A new purification method for single-wall carbon nanotubes (SWNTs). <i>Applied Physics A: Materials Science and Processing</i> , 2000 , 70, 599-602	2.6	73
3	Novel purification procedure and derivatization method of single-walled carbon nanotubes (SWNTs). <i>AIP Conference Proceedings</i> , 2000 ,	0	3
2	Preparation and characterisation of La _{Ni_xCo_{1-x}} O ₃ thin films on polycrystalline Al ₂ O ₃ -substrates. <i>Journal of the European Ceramic Society</i> , 1999 , 19, 827-829	6	2
1	Enzymatic Glucose Biofuel Cells: Shapes and Growth of Carbon Nanotube Matrices1-10		1