

Martin Kalbac

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.

217
papers

5,425
citations

37
h-index

64
g-index

230
ext. papers

5,939
ext. citations

5.9
avg, IF

5.7
L-index

#	Paper	IF	Citations
217	Highly Sensitive Room-Temperature Ammonia Sensors Based on Single-Wall Carbon Nanotubes Modified by PEDOT. <i>IEEE Sensors Journal</i> , 2022 , 22, 3024-3032	4	1
216	Localized Spectroelectrochemical Identification of Basal Plane and Defect-Related Charge-Transfer Processes in Graphene.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 13, 642-648	6.4	2
215	Influence of structural properties on (de-)intercalation of ClO ₄ ⁻ anion in graphite from concentrated aqueous electrolyte. <i>Carbon</i> , 2022 , 186, 612-623	10.4	2
214	Superradiant Emission from Coherent Excitons in van Der Waals Heterostructures. <i>Advanced Functional Materials</i> , 2021 , 31, 2102196	15.6	1
213	Towards Catalytically Active Porous Graphene Membranes with Pulsed Laser Deposited Ceria Nanoparticles. <i>Chemistry - A European Journal</i> , 2021 , 27, 4150-4158	4.8	2
212	Crystallization of 2D Hybrid Organic/Inorganic Perovskites Templated by Conductive Substrates. <i>Advanced Functional Materials</i> , 2021 , 31, 2009007	15.6	4
211	The use of sample positioning to control defect creation by oxygen plasma in isotopically labelled bilayer graphene membranes.. <i>RSC Advances</i> , 2021 , 11, 10316-10322	3.7	1
210	Chemical vapor deposition (CVD) growth of graphene films 2021 , 199-222		0
209	Strong localization effects in the photoluminescence of transition metal dichalcogenide heterobilayers. <i>2D Materials</i> , 2021 , 8, 025028	5.9	6
208	Two-Dimensional CVD-Graphene/Polyaniline Supercapacitors: Synthesis Strategy and Electrochemical Operation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34686-34695	9.5	3
207	Optical Near-Field Electron Microscopy. <i>Physical Review Applied</i> , 2021 , 16,	4.3	1
206	Highly sensitive broadband binary photoresponse in gateless epitaxial graphene on 4H ⁺ SiC. <i>Carbon</i> , 2021 , 184, 72-81	10.4	1
205	Electron-phonon coupling origin of the graphene π -band kink via isotope effect. <i>Physical Review B</i> , 2021 , 103,	3.3	1
204	Strain and Piezo-Doping Mismatch between Graphene Layers. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 11193-11199	3.8	11
203	Periodic surface functional group density on graphene via laser-induced substrate patterning at Si/SiO ₂ interface. <i>Nano Research</i> , 2020 , 13, 2332-2339	10	6
202	Chemical Vapor Deposition of MoS ₂ for Energy Harvesting: Evolution of the Interfacial Oxide Layer. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6563-6573	5.6	4
201	Graphene-enhanced Raman scattering on single layer and bilayers of pristine and hydrogenated graphene. <i>Scientific Reports</i> , 2020 , 10, 4516	4.9	9

200	S- and N-doped graphene-based catalysts for the oxygen evolution reaction. <i>Electrochimica Acta</i> , 2020 , 340, 135975	6.7	10
199	Charge transfer in steam purified arc discharge single walled carbon nanotubes filled with lutetium halides. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 10063-10075	3.6	1
198	Large scale chemical functionalization of locally curved graphene with nanometer resolution. <i>Carbon</i> , 2020 , 164, 207-214	10.4	4
197	Transferless Inverted Graphene/Silicon Heterostructures Prepared by Plasma-Enhanced Chemical Vapor Deposition of Amorphous Silicon on CVD Graphene. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
196	Introduction to Raman Spectroscopy of Chemically Functionalized CVD Graphene 2020 , 1-17		1
195	Surface-Confined Macrocyclization Dynamic Covalent Chemistry. <i>ACS Nano</i> , 2020 , 14, 2956-2965	16.7	5
194	Towards the evaluation of defects in MoS using cryogenic photoluminescence spectroscopy. <i>Nanoscale</i> , 2020 , 12, 3019-3028	7.7	22
193	Coexistence of Van Hove singularities and pseudomagnetic fields in modulated graphene bilayer. <i>Nanotechnology</i> , 2020 , 31, 165705	3.4	1
192	Neutron Activated Sm Sealed in Carbon Nanocapsules for Imaging and Tumor Radiotherapy. <i>ACS Nano</i> , 2020 , 14, 129-141	16.7	23
191	Host-Guest Interactions in Metal-Organic Frameworks Doped with Acceptor Molecules as Revealed by Resonance Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 24245-24250	3.8	10
190	Rippled Metallic-Nanowire/Graphene/Semiconductor Nanostack for a Gate-Tunable Ultrahigh-Performance Stretchable Phototransistor. <i>Advanced Optical Materials</i> , 2020 , 8, 2000859	8.1	3
189	Anomalous Freezing of Low-Dimensional Water Confined in Graphene Nanowrinkles. <i>ACS Nano</i> , 2020 , 14, 15587-15594	16.7	6
188	Imaging Nanoscale Inhomogeneities and Edge Delamination in As-Grown MoS ₂ Using Tip-Enhanced Photoluminescence. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1900381	2.5	9
187	Dynamic covalent conjugated polymer epitaxy on graphene. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12240-12247	7.1	5
186	A tool box to ascertain the nature of doping and photoresponse in single-walled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 4063-4071	3.6	7
185	Introducing Well-Defined Nanowrinkles in CVD Grown Graphene. <i>Nanomaterials</i> , 2019 , 9,	5.4	3
184	On the Suitability of Raman Spectroscopy to Monitor the Degree of Graphene Functionalization by Diazonium Salts. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 22397-22402	3.8	11
183	Superlattice in collapsed graphene wrinkles. <i>Scientific Reports</i> , 2019 , 9, 9972	4.9	12

182	Thermoreversible magnetic nanochains. <i>Nanoscale</i> , 2019 , 11, 16773-16780	7.7	10
181	Strong and efficient doping of monolayer MoS by a graphene electrode. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 25700-25706	3.6	12
180	Laser-ablation-assisted SF ₆ decomposition for extensive and controlled fluorination of graphene. <i>Carbon</i> , 2019 , 145, 419-425	10.4	10
179	Electronic and mechanical response of graphene on BaTiO at martensitic phase transitions. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 085001	1.8	1
178	Selective self-assembly and light emission tuning of layered hybrid perovskites on patterned graphene. <i>Nanoscale</i> , 2018 , 10, 3198-3211	7.7	4
177	Evaluating arbitrary strain configurations and doping in graphene with Raman spectroscopy. <i>2D Materials</i> , 2018 , 5, 015016	5.9	71
176	Surface-enhanced Raman spectra on graphene. <i>Journal of Raman Spectroscopy</i> , 2018 , 49, 168-173	2.3	9
175	Excitation Wavelength Dependence of Combined Surface- and Graphene-Enhanced Raman Scattering Experienced by Free-Base Phthalocyanine Localized on Single-Layer Graphene-Covered Ag Nanoparticle Arrays. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 20850-20860	3.8	4
174	Proton-Gradient-Driven Oriented Motion of Nanodiamonds Grafted to Graphene by Dynamic Covalent Bonds. <i>ACS Nano</i> , 2018 , 12, 7141-7147	16.7	12
173	Comparative study of shortening and cutting strategies of single-walled and multi-walled carbon nanotubes assessed by scanning electron microscopy. <i>Carbon</i> , 2018 , 139, 922-932	10.4	22
172	Adsorption Site-Dependent Mobility Behavior in Graphene Exposed to Gas Oxygen. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 21493-21499	3.8	6
171	Functionalization of Hydrogenated Chemical Vapour Deposition-Grown Graphene by On-Surface Chemical Reactions. <i>Chemistry - A European Journal</i> , 2017 , 23, 4022-4022	4.8	
170	Temperature-induced evolution of strain and doping in an isotopically labeled two-dimensional graphene - C70 fullerene peapod. <i>Diamond and Related Materials</i> , 2017 , 75, 140-145	3.5	2
169	Fine tuning of optical transition energy of twisted bilayer graphene via interlayer distance modulation. <i>Physical Review B</i> , 2017 , 95,	3.3	11
168	Temperature-induced strain release via rugae on the nanometer and micrometer scale in graphene monolayer. <i>Carbon</i> , 2017 , 119, 483-491	10.4	10
167	SERS of Isotopically Labeled ¹² C/ ¹³ C Graphene Bilayer-Gold Nanostructured Film Hybrids: Graphene Layer as Spacer and SERS Probe. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 11680-11686	3.8	7
166	High-quality PVD graphene growth by fullerene decomposition on Cu foils. <i>Carbon</i> , 2017 , 119, 535-543	10.4	25
165	Tuning the electronic properties of monolayer and bilayer transition metal dichalcogenide compounds under direct out-of-plane compression. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 13333-13340 ¹⁴	3.6	14

164	Enhanced Raman scattering on functionalized graphene substrates. <i>2D Materials</i> , 2017 , 4, 025087	5.9	11
163	Tuning the Reactivity of Graphene by Surface Phase Orientation. <i>Chemistry - A European Journal</i> , 2017 , 23, 1839-1845	4.8	13
162	Photovoltaic characterization of graphene/silicon Schottky junctions from local and macroscopic perspectives. <i>Chemical Physics Letters</i> , 2017 , 676, 82-88	2.5	8
161	Extended characterization methods for covalent functionalization of graphene on copper. <i>Carbon</i> , 2017 , 118, 200-207	10.4	16
160	Functionalization of Hydrogenated Chemical Vapour Deposition-Grown Graphene by On-Surface Chemical Reactions. <i>Chemistry - A European Journal</i> , 2017 , 23, 4073-4078	4.8	7
159	Mastering the Wrinkling of Self-supported Graphene. <i>Scientific Reports</i> , 2017 , 7, 10003	4.9	23
158	Raman excitation profiles of hybrid systems constituted by single-layer graphene and free base phthalocyanine: Manifestations of two mechanisms of graphene-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 1270-1281	2.3	7
157	Tuning the Interlayer Interaction of a Twisted Multilayer Wrinkle With Temperature. <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1700237	1.3	2
156	Surface enhanced infrared absorption spectroscopy for graphene functionalization on copper. <i>Carbon</i> , 2017 , 124, 250-255	10.4	5
155	Reversibility of Graphene-Enhanced Raman Scattering with Fluorinated Graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1700177	1.3	4
154	Effect of Ethanethiolate Spacer on Morphology and Optical Responses of Ag Nanoparticle Array-Single Layer Graphene Hybrid Systems. <i>Langmuir</i> , 2017 , 33, 14414-14424	4	4
153	EDOT polymerization at photolithographically patterned functionalized graphene. <i>Carbon</i> , 2017 , 113, 33-39	10.4	8
152	Quenching of photoluminescence of Rhodamine 6G molecules on functionalized graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2347-2350	1.3	6
151	Do defects enhance fluorination of graphene?. <i>RSC Advances</i> , 2016 , 6, 81471-81476	3.7	8
150	Graphene under direct compression: Stress effects and interlayer coupling. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2336-2341	1.3	7
149	Monitoring the doping of graphene on SiO ₂ /Si substrates during the thermal annealing process. <i>RSC Advances</i> , 2016 , 6, 72859-72864	3.7	21
148	Temperature dependence of the 2D ⁺ mode of an isotopically labelled graphene double layer. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2342-2346	1.3	
147	Stress and charge transfer in uniaxially strained CVD graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2355-2361	1.3	11

146	Nanocarbon Allotropes-Graphene and Nanocrystalline Diamond-Promote Cell Proliferation. <i>Small</i> , 2016 , 12, 2499-509	11	24
145	Effect of Steam-Treatment Time on the Length and Structure of Single-Walled and Double-Walled Carbon Nanotubes. <i>ChemNanoMat</i> , 2016 , 2, 108-116	3.5	10
144	NO ₂ sensor with a graphite nanopowder working electrode. <i>Sensors and Actuators B: Chemical</i> , 2016 , 226, 299-304	8.5	6
143	Addressing asymmetry of the charge and strain in a two-dimensional fullerene peapod. <i>Nanoscale</i> , 2016 , 8, 735-40	7.7	5
142	Effect of layer number and layer stacking registry on the formation and quantification of defects in graphene. <i>Carbon</i> , 2016 , 98, 592-598	10.4	14
141	Thermally Tunable Dual Emission of the d(8)-d(8) Dimer [Pt ₂ (P ₂ O ₅ (BF ₂) ₂) ₄](4). <i>Inorganic Chemistry</i> , 2016 , 55, 2441-9	5.1	40
140	Magnetic impurities in single-walled carbon nanotubes and graphene: a review. <i>Analyst, The</i> , 2016 , 141, 2639-56	5	28
139	Covalent Reactions on Chemical Vapor Deposition Grown Graphene Studied by Surface-Enhanced Raman Spectroscopy. <i>Chemistry - A European Journal</i> , 2016 , 22, 5404-8	4.8	28
138	Decomposition of Fluorinated Graphene under Heat Treatment. <i>Chemistry - A European Journal</i> , 2016 , 22, 8990-7	4.8	17
137	Electrochemical charging of the single-layer graphene membrane. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2331-2335	1.3	4
136	Addressing Raman features of individual layers in isotopically labeled Bernal stacked bilayer graphene. <i>2D Materials</i> , 2016 , 3, 025022	5.9	5
135	Raman spectroscopy and in situ Raman spectroelectrochemistry of isotopically engineered graphene systems. <i>Accounts of Chemical Research</i> , 2015 , 48, 111-8	24.3	50
134	Temperature and face dependent copper-graphene interactions. <i>Carbon</i> , 2015 , 93, 793-799	10.4	18
133	Study of Adenine and Guanine Oxidation Mechanism by Surface-Enhanced Raman Spectroelectrochemistry. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8191-8198	3.8	30
132	Analysis of metal catalyst content in magnetically filtered SWCNTs by SQUID magnetometry. <i>Journal of Materials Science</i> , 2015 , 50, 2544-2553	4.3	6
131	Single Layer Molybdenum Disulfide under Direct Out-of-Plane Compression: Low-Stress Band-Gap Engineering. <i>Nano Letters</i> , 2015 , 15, 3139-46	11.5	64
130	Strain Assessment in Graphene Through the Raman 2D ² Mode. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 25651-25656	3.8	30
129	Preparation and Charge-Transfer Study in a Single-Walled Carbon Nanotube Functionalized with Poly(3,4-ethylenedioxythiophene). <i>Journal of Physical Chemistry C</i> , 2015 , 119, 21538-21546	3.8	10

128	Thermal treatment of fluorinated graphene: An in situ Raman spectroscopy study. <i>Carbon</i> , 2015 , 84, 347-354	10.4	23
127	Graphene field effect transistor as a probe of electronic structure and charge transfer at organic molecule-graphene interfaces. <i>Nanoscale</i> , 2015 , 7, 1471-8	7.7	26
126	High-quality graphene on single crystal Ir(1 1 1) films on Si(1 1 1) wafers: Synthesis and multi-spectroscopic characterization. <i>Carbon</i> , 2015 , 81, 167-173	10.4	11
125	Selective and Scalable Chemical Removal of Thin Single-Walled Carbon Nanotubes from their Mixtures with Double-Walled Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2015 , 21, 16147-53	4.8	
124	Temperature-induced strain and doping in monolayer and bilayer isotopically labeled graphene. <i>Physical Review B</i> , 2015 , 92,	3.3	41
123	Graphene wrinkling induced by monodisperse nanoparticles: facile control and quantification. <i>Scientific Reports</i> , 2015 , 5, 15061	4.9	30
122	Raman spectroscopy and AFM study of ¹² C graphene/fullerenes C70/ ¹³ C graphene heterostructure. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 2418-2422	1.3	0
121	Fluorination of isotopically labeled turbostratic and Bernal stacked bilayer graphene. <i>Chemistry - A European Journal</i> , 2015 , 21, 1081-7	4.8	21
120	Properties of Carbon: An Overview. <i>Advances in Electrochemical Science and Engineering</i> , 2015 , 1-30		
119	Multipurpose Nature of Rapid Covalent Functionalization on Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2015 , 21, 18631-41	4.8	12
118	Evolution of temperature-induced strain and doping of double-layer graphene: An in situ Raman spectral mapping study. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 2401-2406	1.3	9
117	Formation of wrinkles on graphene induced by nanoparticles: Atomic force microscopy study. <i>Carbon</i> , 2015 , 95, 573-579	10.4	17
116	Interaction between graphene and copper substrate: The role of lattice orientation. <i>Carbon</i> , 2014 , 68, 440-451	10.4	145
115	Chemical vapor deposition (CVD) growth of graphene films 2014 , 27-49		10
114	Extreme electrochemical doping of a graphene/polyelectrolyte heterostructure. <i>RSC Advances</i> , 2014 , 4, 11311	3.7	6
113	The effect of a thin gold layer on graphene: a Raman spectroscopy study. <i>RSC Advances</i> , 2014 , 4, 60929-60935	3.7	21
112	Towards quantification of the ratio of the single and double wall carbon nanotubes in their mixtures: An in situ Raman spectroelectrochemical study. <i>Carbon</i> , 2014 , 78, 366-373	10.4	5
111	Carbon isotope labelling in graphene research. <i>Nanoscale</i> , 2014 , 6, 6363-70	7.7	34

110	Heating Isotopically Labeled Bernal Stacked Graphene: A Raman Spectroscopy Study. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 549-54	6.4	29
109	Self-ordering of iron oxide nanoparticles covered by graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2499-2504	1.3	2
108	Growth of adlayers studied by fluorination of isotopically engineered graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2505-2508	1.3	4
107	Doping of C70 fullerene peapods with lithium vapor: Raman spectroscopic and Raman spectroelectrochemical studies. <i>Nanotechnology</i> , 2014 , 25, 485706	3.4	4
106	Modulated surface of single-layer graphene controls cell behavior. <i>Carbon</i> , 2014 , 72, 207-214	10.4	9
105	Hydrothermal preparation of hydrophobic and hydrophilic nanoparticles of iron oxide and a modification with CM-dextran. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	9
104	Raman spectroscopy of graphene at high pressure: Effects of the substrate and the pressure transmitting media. <i>Physical Review B</i> , 2013 , 88,	3.3	46
103	Structure and magnetic response of a residual metal catalyst in highly purified single walled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 5992-6000	3.6	8
102	Ion-irradiation-induced defects in isotopically-labeled two layered graphene: enhanced in-situ annealing of the damage. <i>Advanced Materials</i> , 2013 , 25, 1004-9	24	66
101	Rapid identification of stacking orientation in isotopically labeled chemical-vapor grown bilayer graphene by Raman spectroscopy. <i>Nano Letters</i> , 2013 , 13, 1541-8	11.5	131
100	Raman spectroscopy investigation of defect occurrence in graphene grown on copper single crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 2653-2658	1.3	7
99	Raman spectroscopy of strongly doped CVD-graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 2659-2661	1.3	6
98	Mass-related inversion symmetry breaking and phonon self-energy renormalization in isotopically labeled AB-stacked bilayer graphene. <i>Scientific Reports</i> , 2013 , 3, 2061	4.9	17
97	Isotopic ¹³ C/ ¹² C effect on the resonant Raman spectrum of twisted bilayer graphene. <i>Physical Review B</i> , 2013 , 88,	3.3	7
96	Doping of bi-layer graphene by gradually polarizing a ferroelectric polymer. <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 2649-2652	1.3	3
95	Effects of intercalation and inhomogeneous filling on the collapse pressure of double-wall carbon nanotubes. <i>Physical Review B</i> , 2012 , 86,	3.3	19
94	Raman spectroscopy of isotopically labeled two-layer graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 2500-2502	1.3	3
93	Influence of oxygen and hydrogen treated graphene on cell adhesion in the presence or absence of fetal bovine serum. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 2503-2506	1.3	6

92	Raman Spectroscopy as a Tool to Address Individual Graphene Layers in Few-Layer Graphene. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 19046-19050	3.8	36
91	Effects of heat treatment on Raman spectra of two-layer 12C/13C graphene. <i>Chemistry - A European Journal</i> , 2012 , 18, 13877-84	4.8	32
90	Influence of the fetal bovine serum proteins on the growth of human osteoblast cells on graphene. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 3001-7	5.4	28
89	Large Variations of the Raman Signal in the Spectra of Twisted Bilayer Graphene on a BN Substrate. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 796-9	6.4	30
88	The control of graphene double-layer formation in copper-catalyzed chemical vapor deposition. <i>Carbon</i> , 2012 , 50, 3682-3687	10.4	108
87	Ordered graphene strips onto polymer backing prepared by laser scanning. <i>Applied Physics Letters</i> , 2012 , 101, 173102	3.4	1
86	Observation of electronic Raman scattering in metallic carbon nanotubes. <i>Physical Review Letters</i> , 2011 , 107, 157401	7.4	41
85	Surface refinement and electronic properties of graphene layers grown on copper substrate: An XPS, UPS and EELS study. <i>Applied Surface Science</i> , 2011 , 257, 9785-9790	6.7	155
84	Raman spectroscopy and in situ Raman spectroelectrochemistry of bilayer $\sqrt{3}\sqrt{3}$ graphene. <i>Nano Letters</i> , 2011 , 11, 1957-63	11.5	97
83	Charging of self-doped poly(anilineboronic acid) films studied by in situ ESR/UV/Vis/NIR spectroelectrochemistry and ex situ FTIR spectroscopy. <i>ChemPhysChem</i> , 2011 , 12, 2920-4	3.2	8
82	Probing charge transfer between shells of double-walled carbon nanotubes sorted by outer-wall electronic type. <i>Chemistry - A European Journal</i> , 2011 , 17, 9806-15	4.8	23
81	Magnetic Properties of Iron Catalyst Particles in HiPco Single Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 17303-17309	3.8	20
80	Controlled oxygen plasma treatment of single-walled carbon nanotube films improves osteoblastic cells attachment and enhances their proliferation. <i>Carbon</i> , 2011 , 49, 2926-2934	10.4	23
79	Chiral angle dependence of resonance window widths in $(2n+m)$ families of single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2010 , 96, 103118	3.4	8
78	An Anomalous Enhancement of the Ag(2) Mode in the Resonance Raman Spectra of C60 Embedded in Single-Walled Carbon Nanotubes during Anodic Charging. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 2505-2511	3.8	9
77	Tuning of sorted double-walled carbon nanotubes by electrochemical charging. <i>ACS Nano</i> , 2010 , 4, 459-606.7	6.7	31
76	The influence of strong electron and hole doping on the Raman intensity of chemical vapor-deposition graphene. <i>ACS Nano</i> , 2010 , 4, 6055-63	16.7	211
75	Gas sensing properties of nanocrystalline diamond films. <i>Diamond and Related Materials</i> , 2010 , 19, 196-200	3.9	25

74	Defects in individual semiconducting single wall carbon nanotubes: Raman spectroscopic and in situ Raman spectroelectrochemical study. <i>Nano Letters</i> , 2010 , 10, 4619-26	11.5	63
73	Sexithiophene encapsulated in a single-walled carbon nanotube: an in situ Raman spectroelectrochemical study of a peapod structure. <i>Chemistry - A European Journal</i> , 2010 , 16, 11753-9	4.8	36
72	The influence of doping on the Raman intensity of the D band in single walled carbon nanotubes. <i>Carbon</i> , 2010 , 48, 832-838	10.4	25
71	Graphene substrates promote adherence of human osteoblasts and mesenchymal stromal cells. <i>Carbon</i> , 2010 , 48, 4323-4329	10.4	359
70	Evaluation of defect concentration in doped SWCNT. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2797-2800	1.3	3
69	Selective detection of phosgene by nanocrystalline diamond layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 2070-2073	1.6	28
68	The reaction of lithium metal vapor with single walled carbon nanotubes of large diameters. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2428-2431	1.3	1
67	Controlled doping of double walled carbon nanotubes and conducting polymers in a composite: An in situ Raman spectroelectrochemical study. <i>Composites Science and Technology</i> , 2009 , 69, 1553-1557	8.6	16
66	Supramolecular Assembly of Single-Walled Carbon Nanotubes with a Ruthenium(II)Bipyridine Complex: An in Situ Raman Spectroelectrochemical Study. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2611-2617	3.8	7
65	An in situ Raman spectroelectrochemical study of the controlled doping of semiconducting single walled carbon nanotubes in a conducting polymer matrix. <i>Synthetic Metals</i> , 2009 , 159, 2245-2248	3.6	12
64	Selective etching of thin single-walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4529-34	16.4	18
63	Fermi energy dependence of the G-band resonance Raman spectra of single-wall carbon nanotubes. <i>Physical Review B</i> , 2009 , 80,	3.3	44
62	Electrochemical charging of individual single-walled carbon nanotubes. <i>ACS Nano</i> , 2009 , 3, 2320-8	16.7	49
61	Influence of the Resonant Electronic Transition on the Intensity of the Raman Radial Breathing Mode of Single Walled Carbon Nanotubes during Electrochemical Charging. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16408-16413	3.8	19
60	Large Variety of Behaviors for the Raman G? Mode of Single Walled Carbon Nanotubes upon Electrochemical Gating Arising from Different (n,m) of Individual Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1751-1757	3.8	14
59	In situ Raman spectroelectrochemistry of SWCNT bundles: Development of the tangential mode during electrochemical charging in different electrolyte solutions. <i>Diamond and Related Materials</i> , 2009 , 18, 972-974	3.5	9
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