

Martin Kalbac

List of Publications by Year in descending order

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227
papers

6,320
citations

87888

38
h-index

95266

68
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all docs

230
docs citations

230
times ranked

8868
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of structural properties on (de-)intercalation of ClO_4^- anion in graphite from concentrated aqueous electrolyte. <i>Carbon</i> , 2022, 186, 612-623.	10.3	10
2	Highly Sensitive Room-Temperature Ammonia Sensors Based on Single-Wall Carbon Nanotubes Modified by PEDOT. <i>IEEE Sensors Journal</i> , 2022, 22, 3024-3032.	4.7	9
3	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.	4.6	8
4	Activation of Raman modes in monolayer transition metal dichalcogenides through strong interaction with gold. <i>Physical Review B</i> , 2022, 105, .	3.2	9
5	Evolution of the Raman 2D^{TM} mode in monolayer graphene during electrochemical doping. <i>Microchemical Journal</i> , 2022, 181, 107739.	4.5	3
6	Towards Catalytically Active Porous Graphene Membranes with Pulsed Laser Deposited Ceria Nanoparticles. <i>Chemistry - A European Journal</i> , 2021, 27, 4150-4158.	3.3	4
7	Crystallization of 2D Hybrid Organic-Inorganic Perovskites Templated by Conductive Substrates. <i>Advanced Functional Materials</i> , 2021, 31, 2009007.	14.9	14
8	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.	3.6	3
9	Chemical vapor deposition (CVD) growth of graphene films. , 2021, , 199-222.		4
10	Strong localization effects in the photoluminescence of transition metal dichalcogenide heterobilayers. <i>2D Materials</i> , 2021, 8, 025028.	4.4	19
11	Thermal Traits of MNPs under High-Frequency Magnetic Fields: Disentangling the Effect of Size and Coating. <i>Nanomaterials</i> , 2021, 11, 797.	4.1	2
12	Superradiant Emission from Coherent Excitons in van Der Waals Heterostructures. <i>Advanced Functional Materials</i> , 2021, 31, 2102196.	14.9	12
13	Reversible Lectin Binding to Glycan-Functionalized Graphene. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6661.	4.1	1
14	Two-Dimensional CVD-Graphene/Polyaniline Supercapacitors: Synthesis Strategy and Electrochemical Operation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34686-34695.	8.0	30
15	Fluorination of graphene leads to susceptibility for nanopore formation by highly charged ion impact. <i>Physical Review Materials</i> , 2021, 5, .	2.4	7
16	Optical Near-Field Electron Microscopy. <i>Physical Review Applied</i> , 2021, 16, .	3.8	5
17	Highly sensitive broadband binary photoresponse in gateless epitaxial graphene on 4H-SiC . <i>Carbon</i> , 2021, 184, 72-81.	10.3	13
18	Electron-phonon coupling origin of the graphene $\tilde{\Gamma}^*$ -band kink via isotope effect. <i>Physical Review B</i> , 2021, 103, .	3.2	3

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19	Hierarchical TiO ₂ Layers Prepared by Plasma Jets. <i>Nanomaterials</i> , 2021, 11, 3254.	4.1	2
20	Towards the evaluation of defects in MoS ₂ using cryogenic photoluminescence spectroscopy. <i>Nanoscale</i> , 2020, 12, 3019-3028.	5.6	37
21	Coexistence of Van Hove singularities and pseudomagnetic fields in modulated graphene bilayer. <i>Nanotechnology</i> , 2020, 31, 165705.	2.6	2
22	Neutron Activated ¹⁵³ Sm Sealed in Carbon Nanocapsules for <i>in Vivo</i> Imaging and Tumor Radiotherapy. <i>ACS Nano</i> , 2020, 14, 129-141.	14.6	37
23	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.	3.1	22
24	Rippled Metallic Nanowire/Graphene/Semiconductor Nanostack for a Gate-Tunable Ultrahigh-Performance Stretchable Phototransistor. <i>Advanced Optical Materials</i> , 2020, 8, 2000859.	7.3	5
25	Anomalous Freezing of Low-Dimensional Water Confined in Graphene Nanowrinkles. <i>ACS Nano</i> , 2020, 14, 15587-15594.	14.6	14
26	Strain and Piezo-Doping Mismatch between Graphene Layers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11193-11199.	3.1	15
27	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.	10.4	14
28	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.	5.0	10
29	Graphene-enhanced Raman scattering on single layer and bilayers of pristine and hydrogenated graphene. <i>Scientific Reports</i> , 2020, 10, 4516.	3.3	18
30	S- and N-doped graphene-based catalysts for the oxygen evolution reaction. <i>Electrochimica Acta</i> , 2020, 340, 135975.	5.2	16
31	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.	2.8	7
32	Large scale chemical functionalization of locally curved graphene with nanometer resolution. <i>Carbon</i> , 2020, 164, 207-214.	10.3	9
33	Transferless Inverted Graphene/Silicon Heterostructures Prepared by Plasma-Enhanced Chemical Vapor Deposition of Amorphous Silicon on CVD Graphene. <i>Nanomaterials</i> , 2020, 10, 589.	4.1	3
34	Introduction to Raman Spectroscopy of Chemically Functionalized CVD Graphene. , 2020, , 1-17.		1
35	Surface-Confined Macrocyclization <i>via</i> Dynamic Covalent Chemistry. <i>ACS Nano</i> , 2020, 14, 2956-2965.	14.6	8
36	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.	3.1	14

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37	Superlattice in collapsed graphene wrinkles. <i>Scientific Reports</i> , 2019, 9, 9972.	3.3	15
38	Thermoreversible magnetic nanochains. <i>Nanoscale</i> , 2019, 11, 16773-16780.	5.6	14
39	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.	2.4	12
40	Dynamic covalent conjugated polymer epitaxy on graphene. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12240-12247.	5.5	7
41	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.	2.8	9
42	Introducing Well-Defined Nanowrinkles in CVD Grown Graphene. <i>Nanomaterials</i> , 2019, 9, 353.	4.1	3
43	Strong and efficient doping of monolayer MoS ₂ by a graphene electrode. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25700-25706.	2.8	20
44	Laser-ablation-assisted SF ₆ decomposition for extensive and controlled fluorination of graphene. <i>Carbon</i> , 2019, 145, 419-425.	10.3	25
45	Electronic and mechanical response of graphene on BaTiO ₃ at martensitic phase transitions. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 085001.	1.8	1
46	Selective self-assembly and light emission tuning of layered hybrid perovskites on patterned graphene. <i>Nanoscale</i> , 2018, 10, 3198-3211.	5.6	6
47	Evaluating arbitrary strain configurations and doping in graphene with Raman spectroscopy. <i>2D Materials</i> , 2018, 5, 015016.	4.4	95
48	Surface-enhanced Raman spectra on graphene. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 168-173.	2.5	13
49	Adsorption Site-Dependent Mobility Behavior in Graphene Exposed to Gas Oxygen. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21493-21499.	3.1	7
50	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.	3.1	6
51	Proton-Gradient-Driven Oriented Motion of Nanodiamonds Grafted to Graphene by Dynamic Covalent Bonds. <i>ACS Nano</i> , 2018, 12, 7141-7147.	14.6	17
52	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.	10.3	34
53	Functionalization of Hydrogenated Chemical Vapour Deposition-Grown Graphene by On-Surface Chemical Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 4022-4022.	3.3	0
54	Temperature-induced evolution of strain and doping in an isotopically labeled two-dimensional graphene - C ₇₀ fullerene peapod. <i>Diamond and Related Materials</i> , 2017, 75, 140-145.	3.9	4

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55	Fine tuning of optical transition energy of twisted bilayer graphene via interlayer distance modulation. <i>Physical Review B</i> , 2017, 95, .	3.2	12
56	Temperature-induced strain release via rugae on the nanometer and micrometer scale in graphene monolayer. <i>Carbon</i> , 2017, 119, 483-491.	10.3	13
57	SERS of Isotopically Labeled ¹² C/ ¹³ C Graphene Bilayerâ€“Gold Nanostructured Film Hybrids: Graphene Layer as Spacer and SERS Probe. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11680-11686.	3.1	8
58	High-quality PVD graphene growth by fullerene decomposition on Cu foils. <i>Carbon</i> , 2017, 119, 535-543.	10.3	29
59	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.	2.8	20
60	Enhanced Raman scattering on functionalized graphene substrates. <i>2D Materials</i> , 2017, 4, 025087.	4.4	14
61	Tuning the Reactivity of Graphene by Surface Phase Orientation. <i>Chemistry - A European Journal</i> , 2017, 23, 1839-1845.	3.3	15
62	Photovoltaic characterization of graphene/silicon Schottky junctions from local and macroscopic perspectives. <i>Chemical Physics Letters</i> , 2017, 676, 82-88.	2.6	9
63	Extended characterization methods for covalent functionalization of graphene on copper. <i>Carbon</i> , 2017, 118, 200-207.	10.3	19
64	Functionalization of Hydrogenated Chemical Vapour Depositionâ€“Grown Graphene by Onâ€“Surface Chemical Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 4073-4078.	3.3	8
65	Mastering the Wrinkling of Self-supported Graphene. <i>Scientific Reports</i> , 2017, 7, 10003.	3.3	33
66	Raman excitation profiles of hybrid systems constituted by singleâ€“layer graphene and free base phthalocyanine: Manifestations of two mechanisms of grapheneâ€“enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1270-1281.	2.5	9
67	Tuning the Interlayer Interaction of a Twisted Multilayer Wrinkle With Temperature. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700237.	1.5	2
68	Surface enhanced infrared absorption spectroscopy for graphene functionalization on copper. <i>Carbon</i> , 2017, 124, 250-255.	10.3	9
69	Reversibility of Grapheneâ€“Enhanced Raman Scattering with Fluorinated Graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700177.	1.5	4
70	Effect of Ethanethiolate Spacer on Morphology and Optical Responses of Ag Nanoparticle Arrayâ€“Single Layer Graphene Hybrid Systems. <i>Langmuir</i> , 2017, 33, 14414-14424.	3.5	5
71	EDOT polymerization at photolithographically patterned functionalized graphene. <i>Carbon</i> , 2017, 113, 33-39.	10.3	9
72	Covalent Reactions on Chemical Vapor Deposition Grown Graphene Studied by Surfaceâ€“Enhanced Raman Spectroscopy. <i>Chemistry - A European Journal</i> , 2016, 22, 5404-5408.	3.3	33

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73	Decomposition of Fluorinated Graphene under Heat Treatment. Chemistry - A European Journal, 2016, 22, 8990-8997.	3.3	19
74	Electrochemical charging of the single-layer graphene membrane. Physica Status Solidi (B): Basic Research, 2016, 253, 2331-2335.	1.5	4
75	Addressing Raman features of individual layers in isotopically labeled Bernal stacked bilayer graphene. 2D Materials, 2016, 3, 025022.	4.4	8
76	Quenching of photoluminescence of Rhodamine 6G molecules on functionalized graphene. Physica Status Solidi (B): Basic Research, 2016, 253, 2347-2350.	1.5	6
77	Do defects enhance fluorination of graphene?. RSC Advances, 2016, 6, 81471-81476.	3.6	10
78	Graphene under direct compression: Stress effects and interlayer coupling. Physica Status Solidi (B): Basic Research, 2016, 253, 2336-2341.	1.5	7
79	Monitoring the doping of graphene on SiO ₂ /Si substrates during the thermal annealing process. RSC Advances, 2016, 6, 72859-72864.	3.6	24
80	Temperature dependence of the 2D mode of an isotopically labelled graphene double layer. Physica Status Solidi (B): Basic Research, 2016, 253, 2342-2346.	1.5	0
81	Stress and charge transfer in uniaxially strained CVD graphene. Physica Status Solidi (B): Basic Research, 2016, 253, 2355-2361.	1.5	12
82	Nanocarbon Allotropes-Graphene and Nanocrystalline Diamond-Promote Cell Proliferation. Small, 2016, 12, 2499-2509.	10.0	27
83	Effect of Steam Treatment Time on the Length and Structure of Single-Walled and Double-Walled Carbon Nanotubes. ChemNanoMat, 2016, 2, 108-116.	2.8	11
84	NO ₂ sensor with a graphite nanopowder working electrode. Sensors and Actuators B: Chemical, 2016, 226, 299-304.	7.8	6
85	Addressing asymmetry of the charge and strain in a two-dimensional fullerene peapod. Nanoscale, 2016, 8, 735-740.	5.6	6
86	Effect of layer number and layer stacking registry on the formation and quantification of defects in graphene. Carbon, 2016, 98, 592-598.	10.3	16
87	Thermally Tunable Dual Emission of the d ⁸ d ⁸ Dimer [Pt ₂ (I ^{1/4} -P ₂ O ₅ (BF ₂) ₂) ₄] ⁴⁺ . Inorganic Chemistry, 2016, 55, 2441-2449.		42
88	Magnetic impurities in single-walled carbon nanotubes and graphene: a review. Analyst, The, 2016, 141, 2639-2656.	3.5	32
89	Selective and Scalable Chemical Removal of Thin Single-Walled Carbon Nanotubes from their Mixtures with Double-Walled Carbon Nanotubes. Chemistry - A European Journal, 2015, 21, 16147-16153.	3.3	0
90	Temperature-induced strain and doping in monolayer and bilayer isotopically labeled graphene. Physical Review B, 2015, 92, .	3.2	52

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91	Graphene wrinkling induced by monodisperse nanoparticles: facile control and quantification. <i>Scientific Reports</i> , 2015, 5, 15061.	3.3	35
92	Raman spectroscopy and AFM study of ^{12}C graphene/fullerenes C_{70} / ^{13}C graphene heterostructure. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2418-2422.	1.5	2
93	Fluorination of Isotopically Labeled Turbostratic and Bernal Stacked Bilayer Graphene. <i>Chemistry - A European Journal</i> , 2015, 21, 1081-1087.	3.3	25
94	Multipurpose Nature of Rapid Covalent Functionalization on Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2015, 21, 18631-18641.	3.3	15
95	Evolution of temperature-induced strain and doping of double-layer graphene: An <i>in situ</i> Raman spectral mapping study. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2401-2406.	1.5	10
96	Formation of wrinkles on graphene induced by nanoparticles: Atomic force microscopy study. <i>Carbon</i> , 2015, 95, 573-579.	10.3	21
97	Raman Spectroscopy and <i>in Situ</i> Raman Spectroelectrochemistry of Isotopically Engineered Graphene Systems. <i>Accounts of Chemical Research</i> , 2015, 48, 111-118.	15.6	55
98	Temperature and face dependent copper-graphene interactions. <i>Carbon</i> , 2015, 93, 793-799.	10.3	24
99	Study of Adenine and Guanine Oxidation Mechanism by Surface-Enhanced Raman Spectroelectrochemistry. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8191-8198.	3.1	34
100	Analysis of metal catalyst content in magnetically filtered SWCNTs by SQUID magnetometry. <i>Journal of Materials Science</i> , 2015, 50, 2544-2553.	3.7	7
101	Single Layer Molybdenum Disulfide under Direct Out-of-Plane Compression: Low-Stress Band-Gap Engineering. <i>Nano Letters</i> , 2015, 15, 3139-3146.	9.1	75
102	Strain Assessment in Graphene Through the Raman 2D Mode. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25651-25656.	3.1	38
103	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.	3.1	11
104	Thermal treatment of fluorinated graphene: An <i>in situ</i> Raman spectroscopy study. <i>Carbon</i> , 2015, 84, 347-354.	10.3	27
105	Graphene field effect transistor as a probe of electronic structure and charge transfer at organic molecule-graphene interfaces. <i>Nanoscale</i> , 2015, 7, 1471-1478.	5.6	34
106	High-quality graphene on single crystal $\text{Ir}(1\ 1\ 1)$ films on $\text{Si}(1\ 1\ 1)$ wafers: Synthesis and multi-spectroscopic characterization. <i>Carbon</i> , 2015, 81, 167-173.	10.3	11
107	Doping of C_{70} fullerene peapods with lithium vapor: Raman spectroscopic and Raman spectroelectrochemical studies. <i>Nanotechnology</i> , 2014, 25, 485706.	2.6	4
108	Modulated surface of single-layer graphene controls cell behavior. <i>Carbon</i> , 2014, 72, 207-214.	10.3	10

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109	Interaction between graphene and copper substrate: The role of lattice orientation. Carbon, 2014, 68, 440-451.	10.3	180
110	Chemical vapor deposition (CVD) growth of graphene films. , 2014, , 27-49.		11
111	Extreme electrochemical doping of a grapheneâ€“polyelectrolyte heterostructure. RSC Advances, 2014, 4, 11311.	3.6	7
112	The effect of a thin gold layer on graphene: a Raman spectroscopy study. RSC Advances, 2014, 4, 60929-60935.	3.6	22
113	Towards quantification of the ratio of the single and double wall carbon nanotubes in their mixtures: An in situ Raman spectroelectrochemical study. Carbon, 2014, 78, 366-373.	10.3	6
114	Carbon isotope labelling in graphene research. Nanoscale, 2014, 6, 6363.	5.6	38
115	Heating Isotopically Labeled Bernal Stacked Graphene: A Raman Spectroscopy Study. Journal of Physical Chemistry Letters, 2014, 5, 549-554.	4.6	33
116	Selfâ€“ordering of iron oxide nanoparticles covered by graphene. Physica Status Solidi (B): Basic Research, 2014, 251, 2499-2504.	1.5	2
117	Growth of adlayers studied by fluorination of isotopically engineered graphene. Physica Status Solidi (B): Basic Research, 2014, 251, 2505-2508.	1.5	5
118	Hydrothermal preparation of hydrophobic and hydrophilic nanoparticles of iron oxide and a modification with CM-dextran. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	10
119	Raman spectroscopy of graphene at high pressure: Effects of the substrate and the pressure transmitting media. Physical Review B, 2013, 88, .	3.2	56
120	Structure and magnetic response of a residual metal catalyst in highly purified single walled carbon nanotubes. Physical Chemistry Chemical Physics, 2013, 15, 5992.	2.8	9
121	Ionâ€“radiationâ€“induced Defects in Isotopicallyâ€“labeled Two Layered Graphene: Enhanced Inâ€“situ Annealing of the Damage. Advanced Materials, 2013, 25, 1004-1009.	21.0	79
122	Rapid Identification of Stacking Orientation in Isotopically Labeled Chemical-Vapor Grown Bilayer Graphene by Raman Spectroscopy. Nano Letters, 2013, 13, 1541-1548.	9.1	146
123	Raman spectroscopy investigation of defect occurrence in graphene grown on copper single crystals. Physica Status Solidi (B): Basic Research, 2013, 250, 2653-2658.	1.5	7
124	Raman spectroscopy of strongly doped CVD-graphene. Physica Status Solidi (B): Basic Research, 2013, 250, 2659-2661.	1.5	6
125	Mass-related inversion symmetry breaking and phonon self-energy renormalization in isotopically labeled AB-stacked bilayer graphene. Scientific Reports, 2013, 3, 2061.	3.3	17
126	Isotopic $\frac{13}{12}$ C effect on the resonant Raman spectrum of twisted bilayer graphene. Physical Review B, 2013, 88, .	3.2	13

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127	Doping of bi-layer graphene by gradually polarizing a ferroelectric polymer. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2649-2652.	1.5	4
128	Ordered graphene strips onto polymer backing prepared by laser scanning. <i>Applied Physics Letters</i> , 2012, 101, 173102.	3.3	1
129	Effects of intercalation and inhomogeneous filling on the collapse pressure of double-wall carbon nanotubes. <i>Physical Review B</i> , 2012, 86, .	3.2	20
130	Raman spectroscopy of isotopically labeled two-layer graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2500-2502.	1.5	3
131	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.	1.5	6
132	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.	3.1	37
133	Effects of Heat Treatment on Raman Spectra of Two-Layer ¹² C/ ¹³ C Graphene. <i>Chemistry - A European Journal</i> , 2012, 18, 13877-13884.	3.3	34
134	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, 100A, 3001-3007.	4.0	31
135	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, 796-799.	4.6	30
136	The control of graphene double-layer formation in copper-catalyzed chemical vapor deposition. <i>Carbon</i> , 2012, 50, 3682-3687.	10.3	120
137	Magnetic Properties of Iron Catalyst Particles in HiPco Single Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17303-17309.	3.1	20
138	Observation of Electronic Raman Scattering in Metallic Carbon Nanotubes. <i>Physical Review Letters</i> , 2011, 107, 157401.	7.8	44
139	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.	6.1	185
140	Raman Spectroscopy and in Situ Raman Spectroelectrochemistry of Bilayer ¹² C/ ¹³ C Graphene. <i>Nano Letters</i> , 2011, 11, 1957-1963.	9.1	104
141	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, 2920-2924.	2.1	9
142	Probing Charge Transfer between Shells of Double-Walled Carbon Nanotubes Sorted by Outer-Wall Electronic Type. <i>Chemistry - A European Journal</i> , 2011, 17, 9806-9815.	3.3	26
143	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.	10.3	25
144	Defects in Individual Semiconducting Single Wall Carbon Nanotubes: Raman Spectroscopic and in Situ Raman Spectroelectrochemical Study. <i>Nano Letters</i> , 2010, 10, 4619-4626.	9.1	79

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145	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, 11753-11759.	3.3	39
146	The influence of doping on the Raman intensity of the D band in single walled carbon nanotubes. <i>Carbon</i> , 2010, 48, 832-838.	10.3	31
147	Graphene substrates promote adherence of human osteoblasts and mesenchymal stromal cells. <i>Carbon</i> , 2010, 48, 4323-4329.	10.3	394
148	Evaluation of defect concentration in doped SWCNT. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2797-2800.	1.5	4
149	Chiral angle dependence of resonance window widths in $(2n+m)$ families of single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	8
150	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.	3.1	10
151	Tuning of Sorted Double-Walled Carbon Nanotubes by Electrochemical Charging. <i>ACS Nano</i> , 2010, 4, 459-469.	14.6	34
152	The Influence of Strong Electron and Hole Doping on the Raman Intensity of Chemical Vapor-Deposition Graphene. <i>ACS Nano</i> , 2010, 4, 6055-6063.	14.6	243
153	Gas sensing properties of nanocrystalline diamond films. <i>Diamond and Related Materials</i> , 2010, 19, 196-200.	3.9	30
154	Selective detection of phosgene by nanocrystalline diamond layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2070-2073.	1.8	36
155	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.	1.5	2
156	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.	7.8	16
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