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First- and second-order Raman scattering from finite-size crystals of graphite

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#	Paper	IF	Citations
1832	Raman scattering in graphite-lithium intercalation compounds. <i>Physical Review B</i> , <b>1980</b> , 21, 4705-4709	3.3	32
1831	Optical studies of the high-frequency graphitic intralayer phonons in graphite-SbCl5. <b>1980</b> , 2, 99-107		27
1830	Light scattering study of boron nitride microcrystals. <i>Physical Review B</i> , <b>1981</b> , 23, 6348-6356	3.3	465
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461	Direct Growth of Edge-Rich Graphene with Tunable Dielectric Properties in Porous Si3N4 Ceramic for Broadband High-Performance Microwave Absorption. <b>2018</b> , 28, 1707205	294
460	Effect of magnetic and electric coupling fields on micro- and nano- structure of carbon films in the CVD diamond process and their electron field emission property. <b>2018</b> , 5, 035009	7
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458	Fabrication and properties of magnesium matrix composite reinforced by urchin-like carbon nanotube-alumina in situ composite structure. <b>2018</b> , 746, 320-327	16
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456	UHMWPE hybrid nanocomposite coating reinforced with nanoclay and carbon nanotubes for tribological applications under water with/without abrasives. <b>2018</b> , 124, 145-155	11
455	Raman microspectroscopy, bitumen reflectance and illite crystallinity scale: comparison of different geothermometry methods on fossiliferous Proterozoic sedimentary basins (DR Congo, Mauritania and Australia). <b>2018</b> , 191, 80-94	31
454	Synthesis of freestanding amorphous giant carbon tubes with outstanding oil sorption and water oxidation properties. <b>2018</b> , 6, 3996-4002	17
453	Reactive spark plasma sintering and mechanical properties of ZrB2-SiC-ZrC composites from ZrC-B4C-Si system. <b>2018</b> , 44, 8417-8422	15
452	Raman spectroscopy fingerprint of stainless steel-MWCNTs nanocomposite processed by ball-milling. <b>2018</b> , 8, 015323	7
451	Carbon-coated copper nanoparticles: Characterization and fabrication via ultrasonic irradiation. <b>2018</b> , 735, 2162-2166	8
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448	Wear properties of hybrid ABO+BN+CNT/Al-Sn alloy matrix composites for engine bearing materials. <b>2018</b> , 24, 205-215	4

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446	Modified powder activated carbon-catalyzed ozonation of humic acid: influences of chemical and textural properties. <b>2017</b> , 2017, 58-65	3
445	High degree reduction and restoration of graphene oxide on SiO at low temperature via remote Cu-assisted plasma treatment. <b>2018</b> , 29, 245603	7
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442	Comparison of activated carbon and iron/cerium modified activated carbon to remove methylene blue from wastewater. <b>2018</b> , 65, 92-102	64
441	Structural and surface changes in glassy carbon due to strontium implantation and heat treatment. <b>2018</b> , 498, 103-116	12
440	Toluene and acetaldehyde removal from air on to graphene-based adsorbents with microsized pores. <b>2018</b> , 344, 458-465	51
439	Carbon Nanowalls: A Potential 2-Dimensional Material for Field Emission and Energy-Related Applications. <b>2018</b> , 27-71	3
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436	Experimental study of thermoelectricity in carbon nanotubes and graphene. <b>2018</b> , 187-247	
435	Revealing the formation mechanism of ultrahard nanotwinned diamond from onion carbon. <b>2018</b> , 129, 159-167	24
434	Electrochemical capacitive energy storage in PolyHIPE derived nitrogen enriched hierarchical porous carbon nanosheets. <b>2018</b> , 128, 287-295	37
433	Synthesis and Study of Nanodispersed Carbon in the Combustion of Acetylene in a Flow Detonation Tube. <b>2018</b> , 91, 2003-2011	2
432	Optical and Electrical Properties of Graphene Oxide. <b>2018</b> , 125, 1014-1018	3
431	Facile dual doping strategy via carbonization of covalent organic frameworks to prepare hierarchically porous carbon spheres for membrane capacitive deionization. <b>2018</b> , 54, 14009-14012	51
430	Sustainable Synthesis of Cr7C3, Cr2AlC, and Their Derived Porous Carbons in Molten Salts. <b>2018</b> , 6, 16607-166	51 <del>/</del> 5

429	Graphene platelets from shungite rock modulate electropolymerization and charge storage mechanisms of soft-template synthetized polypyrrole-based nanocomposites. <b>2018</b> , 8, 17045		7
428	Potassium Salts Based Non-Aqueous Electrolytes for Electrical Double Layer Capacitors: A Comparison with LiPF6and NaPF6Based Electrolytes. <b>2018</b> , 165, A3862-A3870		8
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422	Investigation of the Microstructures of Graphene Quantum Dots (GQDs) by Surface-Enhanced Raman Spectroscopy. <b>2018</b> , 8,		50
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419	Tribological Evaluation of a UHMWPE Hybrid Nanocomposite Coating Reinforced With Nanoclay and Carbon Nanotubes Under Dry Conditions. <b>2018</b> , 140,		12
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415	Temperature constraints by Raman spectroscopy of organic matter in volatile-rich clasts and carbonaceous chondrites. <b>2018</b> , 241, 38-55		12
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411	MOFs-Derived Hollow Co/C Microspheres with Enhanced Microwave Absorption Performance. <b>2018</b> , 6, 8904-8913	170
410	Enhanced H2 evolution from photocatalytic cellulose conversion based on graphitic carbon layers on TiO2/NiOx. <b>2018</b> , 20, 3008-3013	31
409	Reduced graphene oxide as a water, carbon dioxide and oxygen barrier in plasticized poly(vinyl chloride) films <b>2018</b> , 8, 17645-17655	11
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402	High-Temperature Raman Spectroscopy of Nano-Crystalline Carbon in Silicon Oxycarbide. <b>2018</b> , 11,	48
401	An asymmetric fitting function for condensed-phase Raman spectroscopy. <b>2018</b> , 143, 2674-2679	19
400	Synthesis of CuO-Cu2O@graphene nanosheet arrays with accurate hybrid nanostructures and tunable electrochemical properties. <b>2018</b> , 452, 259-267	11
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398	The Fabrication of Au@C Core/Shell Nanoparticles by Laser Ablation in Solutions and Their Enhancements to a Gas Sensor. <b>2018</b> , 9,	8
397	Carbonized Design of Hierarchical Porous Carbon/Fe3O4@Fe Derived from Loofah Sponge to Achieve Tunable High-Performance Microwave Absorption. <b>2018</b> , 6, 11801-11810	160
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394	Enhanced electrical and thermal conductivities of silicon oxycarbide nanocomposites containing carbon nanofibers. <b>2018</b> , 138, 42-51	24

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347	Microstructure, mechanical behavior and oxidation resistance of disorderly assembled ZrB2-based short fibrous monolithic ceramics. <b>2019</b> , 39, 2794-2804	12
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325	Role of inert gas in the Cvd-graphene synthesis over polycrystalline nickel foils. <b>2019</b> , 222, 173-180	14
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306	Development and study of low-cost VACNT/PDMS stretchable and resistive strain sensor. <b>2020</b> , 315, 112358	4
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284	Preparation of Graphene-Modified Anticorrosion Coating and Study on Its Corrosion Resistance Mechanism. <b>2020</b> , 2020, 1-9	O
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