Zexiang Shen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1164597/publications.pdf

Version: 2024-02-01

611 papers	52,743 citations	1457 107 h-index	1705 213 g-index
626 all docs	626 docs citations	626 times ranked	53487 citing authors

#	Article	IF	Citations
1	Effects of Crystallinity and Defects of Layered Carbon Materials on Potassium Storage: A Review and Prediction. Electrochemical Energy Reviews, 2022, 5, 401-433.	13.1	65
2	Chinese knot-like bimetallic NiCo2S4 grew on 3D graphene foam as high-performance electrode for Na+ storage. Journal of Alloys and Compounds, 2022, 891, 161988.	2.8	9
3	Interlayer Excitons in Transition Metal Dichalcogenide Semiconductors for 2D Optoelectronics. Advanced Materials, 2022, 34, e2107138.	11.1	28
4	Reversible Photochromism in âŸ¨110âŸ© Oriented Layered Halide Perovskite. ACS Nano, 2022, 16, 2942-2952.	7.3	23
5	In Situ Fabrication of Cuprous Selenide Electrode via Selenization of Copper Current Collector for Highâ€Efficiency Potassiumâ€Ion and Sodiumâ€Ion Storage. Advanced Science, 2022, 9, e2104630.	5.6	19
6	Unraveling the effects of anions in NixAy@CC (A=O, S, P) on Li-sulfur batteries. Materials Today Nano, 2021, 13, 100106.	2.3	5
7	Strong coupling and pressure engineering in WSe2â€“MoSe2 heterobilayers. Nature Physics, 2021, 17, 92-98.	6.5	140
8	Composition-tuned MAPbBr3 nanoparticles with addition of Cs+ cations for improved photoluminescence. RSC Advances, 2021, 11, 24137-24143.	1.7	3
9	Strong self-trapping by deformation potential limits photovoltaic performance in bismuth double perovskite. Science Advances, 2021, 7, .	4.7	98
10	Reversible Pb²⁺/Pb⁰ and I^{â^'}/I₃^{â^'} Redox Chemistry Drives the Lightâ€Induced Phase Segregation in Allâ€Inorganic Mixed Halide Perovskites. Advanced Energy Materials, 2021, 11, 2002934.	10.2	56
11	Electronic States Modulation by Coherent Optical Phonons in 2D Halide Perovskites. Advanced Materials, 2021, 33, e2006233.	11.1	41
12	Maximized pseudo-graphitic content in self-supported hollow interconnected carbon foam boosting ultrastable Na-ion storage. Electrochimica Acta, 2021, 371, 137776.	2.6	7
13	Perovskite Lightâ€Emitting Diodes with Near Unit Internal Quantum Efficiency at Low Temperatures. Advanced Materials, 2021, 33, e2006302.	11.1	16
14	Energy storage mechanisms of anode materials for potassium ion batteries. Materials Today Energy, 2021, 21, 100747.	2.5	38
15	Formation of Corrugated n = 1 2D Tin Iodide Perovskites and Their Use as Lead-Free Solar Absorbers. ACS Nano, 2021, 15, 6395-6409.	7.3	18
16	Polymorph Engineering for Boosted Volumetric Naâ€Ion and Liâ€Ion Storage. Advanced Materials, 2021, 33, e2100210.	11.1	32
17	Layered P3-Type K_{0.4}Fe_{0.1}Mn_{0.8}Ti_{0.1}O₂ as a Low-Cost and Zero-Strain Electrode Material for both Potassium and Sodium Storage. ACS Applied Materials & Interfaces, 2021, 13, 18897-18904.	4.0	28
18	Pressure-Tuned Quantum Well Configuration in Two-Dimensional PA₈Pb₅I₁₈ Perovskites for Highly Efficient Yellow Fluorescence. ACS Applied Energy Materials, 2021, 4, 10003-10011.	2.5	7

#	Article	IF	Citations
19	Boosting Zn²⁺ and NH₄⁺ Storage in Aqueous Media via Inâ€Situ Electrochemical Induced VS₂/VO_x Heterostructures. Advanced Functional Materials, 2021, 31, 2008743.	7.8	92
20	Strong Optical, Electrical, and Raman in-Plane Anisotropy in Corrugated Two-Dimensional Perovskite. Journal of Physical Chemistry C, 2021, 125, 22630-22642.	1.5	4
21	Plasmonic evolution maps for planar metamaterials. Photonics Research, 2021, 9, 73.	3.4	1
22	Strong coupling between two-dimensional transition metal dichalcogenides and plasmonic-optical hybrid resonators. Physical Review B, 2021, 104, .	1.1	2
23	The effect of organic cation dynamics on the optical properties in (PEA)2(MA)[Pb2I7] perovskite dimorphs. Journal of Materials Chemistry C, 2021, 9, 17050-17060.	2.7	2
24	Controlled Fragmentation of Single-Atom-Thick Polycrystalline Graphene. Matter, 2020, 2, 666-679.	5.0	45
25	Lithium lanthanum titanate perovskite as an anode for lithium ion batteries. Nature Communications, 2020, 11, 3490.	5.8	121
26	Hybrid Plasmonics and Two-Dimensional Materials: Theory and Applications. Journal of Molecular and Engineering Materials, 2020, 08, 2030001.	0.9	4
27	Hierarchical porous LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂ with yolkâ€"shell-like architecture as stable cathode material for lithium-ion batteries. RSC Advances, 2020, 10, 18776-18783.	1.7	18
28	Cobalt sulfide nanoflakes grown on graphite foam for Na-ion batteries with ultrahigh initial coulombic efficiency. Journal of Materials Chemistry A, 2020, 8, 14900-14907.	5.2	27
29	N-doped carbon sheets arrays embedded with CoP nanoparticles as high-performance cathode for Li-S batteries via triple synergistic effects. Journal of Power Sources, 2020, 455, 227959.	4.0	34
30	Metallic elements and Pb isotopes in PM_{2.5} in three Chinese typical megacities: spatial distribution and source apportionment. Environmental Sciences: Processes and Impacts, 2020, 22, 1718-1730.	1.7	8
31	Molecular Engineering of Pure 2D Leadâ€Iodide Perovskite Solar Absorbers Displaying Reduced Band Gaps and Dielectric Confinement. ChemSusChem, 2020, 13, 2693-2701.	3.6	14
32	Targeted Synthesis of Trimeric Organicâ€"Bromoplumbate Hybrids That Display Intrinsic, Highly Stokes-Shifted, Broadband Emission. Chemistry of Materials, 2020, 32, 4431-4441.	3.2	25
33	Lotus root-like porous carbon for potassium ion battery with high stability and rate performance. Journal of Power Sources, 2020, 466, 228303.	4.0	22
34	Ultrawideband Surface Enhanced Raman Scattering in Hybrid Graphene Fragmentedâ€Gold Substrates via Coldâ€Etching. Advanced Optical Materials, 2019, 7, 1900905.	3.6	13
35	4-V flexible all-solid-state lithium polymer batteries. Nano Energy, 2019, 64, 103986.	8.2	39
36	Enhancing the Electrochemical Performance of LiNi_{0.4}Co_{0.2}Mn_{0.4}O₂ by V₂O₅/LiV₃O₈ Coating. ACS Applied Materials & Interfaces, 2019, 11, 26994-27003.	4.0	36

#	Article	IF	Citations
37	Metallization: New Metallic Ordered Phase of Perovskite CsPbI3 under Pressure (Adv. Sci. 14/2019). Advanced Science, 2019, 6, 1970083.	5.6	3
38	A Depth-Profiling Study on the Solid Electrolyte Interface: Bis(fluorosulfuryl)imide Anion toward Improved K⁺ Storage. ACS Applied Energy Materials, 2019, 2, 7942-7951.	2.5	51
39	Remarkable dielectric breakdown strength enhancement of a PVDF terpolymer using a 2D hybrid organic inorganic perovskite as a functional additive. Journal of Materials Chemistry C, 2019, 7, 13390-13395.	2.7	3
40	Durable Freestanding Hierarchical Porous Electrode for Rechargeable Zincâ€"Air Batteries. ACS Applied Energy Materials, 2019, 2, 1505-1516.	2.5	18
41	N-doping and oxidation of carbon nanotubes and jellyfish-like graphene nanoflakes through the prism of Raman spectroscopy. Applied Surface Science, 2019, 488, 51-60.	3.1	63
42	Highly anisotropic thermoelectric properties of black phosphorus crystals. 2D Materials, 2019, 6, 045009.	2.0	33
43	Staging: Unraveling the Potassium Storage Mechanism in Graphite Foam (Adv. Energy Mater. 22/2019). Advanced Energy Materials, 2019, 9, 1970081.	10.2	5
44	Improving Polysulfides Adsorption and Redox Kinetics by the Co₄N Nanoparticle/Nâ€Doped Carbon Composites for Lithiumâ€Sulfur Batteries. Small, 2019, 15, e1901454.	5.2	130
45	New Metallic Ordered Phase of Perovskite CsPbI₃ under Pressure. Advanced Science, 2019, 6, 1900399.	5.6	57
46	Simultaneous Immobilization and Conversion of Polysulfides on Co₃O₄â€"CoN Heterostructured Mediators toward High-Performance Lithiumâ€"Sulfur Batteries. ACS Applied Energy Materials, 2019, 2, 2570-2578.	2.5	18
47	Unraveling the Potassium Storage Mechanism in Graphite Foam. Advanced Energy Materials, 2019, 9, 1900579.	10.2	133
48	Excitonic states and structural stability in two-dimensional hybrid organic-inorganic perovskites. Journal of Science: Advanced Materials and Devices, 2019, 4, 189-200.	1.5	32
49	In-plane coherent control of plasmon resonances for plasmonic switching and encoding. Light: Science and Applications, 2019, 8, 21.	7.7	29
50	Nitrogen configuration dependent holey active sites toward enhanced K+ storage in graphite foam. Journal of Power Sources, 2019, 419, 82-90.	4.0	36
51	In-plane optical anisotropy in ReS₂ flakes determined by angle-resolved polarized optical contrast spectroscopy. Nanoscale, 2019, 11, 20199-20205.	2.8	25
52	Pressure-Engineered Structural and Optical Properties of Two-Dimensional (C₄H₉NH₃)₂PbI₄ Perovskite Exfoliated nm-Thin Flakes. Journal of the American Chemical Society, 2019, 141, 1235-1241.	6.6	95
53	Raman Imaging of Two Dimensional Materials. Springer Series in Materials Science, 2019, , 231-261.	0.4	0
54	Improved Photovoltaic Efficiency and Amplified Photocurrent Generation in Mesoporous n = 1 Two-Dimensional Leadâ€"Iodide Perovskite Solar Cells. Chemistry of Materials, 2019, 31, 890-898.	3.2	57

#	Article	IF	Citations
55	Ordered Array of Metal Particles on Semishell Separated with Ultrathin Oxide: Fabrication and SERS Properties. Coatings, 2019, 9, 20.	1.2	1
56	Nanocarbonâ€Based Electrocatalysts for Rechargeable Aqueous Li/Znâ€Air Batteries. ChemElectroChem, 2018, 5, 1745-1763.	1.7	34
57	Low Frequency Raman Scattering of Two-Dimensional Materials Beyond Graphene. Springer Series in Surface Sciences, 2018, , 195-206.	0.3	0
58	Phase Transformation of GeO₂ Glass to Nanocrystals under Ambient Conditions. Nano Letters, 2018, 18, 3290-3296.	4.5	35
59	A library of atomically thin metal chalcogenides. Nature, 2018, 556, 355-359.	13.7	1,225
60	High-Crystallinity Urchin-like VS₄ Anode for High-Performance Lithium-Ion Storage. ACS Applied Materials & Interfaces, 2018, 10, 14727-14734.	4.0	74
61	A Hierarchical MoP Nanoflake Array Supported on Ni Foam: A Bifunctional Electrocatalyst for Overall Water Splitting. Small Methods, 2018, 2, 1700369.	4.6	106
62	Nanoengineering of 2D tin sulfide nanoflake arrays incorporated on polyaniline nanofibers with boosted capacitive behavior. 2D Materials, 2018, 5, 031005.	2.0	20
63	N, P Coâ€doped Hierarchical Porous Graphene as a Metalâ€Free Bifunctional Air Cathode for Znâˆ’Air Batteries. ChemElectroChem, 2018, 5, 1811-1816.	1.7	19
64	One-Step Synthesis of Metal/Semiconductor Heterostructure NbS₂/MoS₂. Chemistry of Materials, 2018, 30, 4001-4007.	3.2	85
65	Sodium Vanadium Fluorophosphates (NVOPF) Array Cathode Designed for Highâ€Rate Full Sodium Ion Storage Device. Advanced Energy Materials, 2018, 8, 1800058.	10.2	157
66	Progress in aqueous rechargeable batteries. Green Energy and Environment, 2018, 3, 20-41.	4.7	255
67	Highâ€Pressureâ€Induced Comminution and Recrystallization of CH₃NH₃PbBr₃ Nanocrystals as Large Thin Nanoplates. Advanced Materials, 2018, 30, 1705017.	11.1	89
68	Electrochemically Synthesis of Nickel Cobalt Sulfide for Highâ€Performance Flexible Asymmetric Supercapacitors. Advanced Science, 2018, 5, 1700375.	5.6	141
69	Advanced Energy Storage Devices: Basic Principles, Analytical Methods, and Rational Materials Design. Advanced Science, 2018, 5, 1700322.	5.6	1,043
70	Tailoring Mechanical Properties of Suspended Graphene by Energetic Ion Beams. , 2018, , .		1
71	Manganese phosphate coated Li[Ni0.6Co0.2Mn0.2]O2 cathode material: Towards superior cycling stability at elevated temperature and high voltage. Journal of Power Sources, 2018, 402, 263-271.	4.0	99
72	Recent progress on photoluminescence from plasmonic nanostructures: Phenomenon, mechanism, and application. Chinese Physics B, 2018, 27, 097803.	0.7	11

#	Article	IF	Citations
73	MnPO4 -Coated Li-NCM: MnPO4 -Coated Li(Ni0.4 Co0.2 Mn0.4)O2 for Lithium(-Ion) Batteries with Outstanding Cycling Stability and Enhanced Lithiation Kinetics (Adv. Energy Mater. 27/2018). Advanced Energy Materials, 2018, 8, 1870123.	10.2	9
74	Self-adaptive electrochemical reconstruction boosted exceptional Li⁺ ion storage in a Cu₃P@C anode. Journal of Materials Chemistry A, 2018, 6, 18821-18826.	5.2	60
75	Doubleâ€Shelled Phosphorus and Nitrogen Codoped Carbon Nanospheres as Efficient Polysulfide Mediator for Highâ€Performance Lithiumâ€“Sulfur Batteries. Advanced Science, 2018, 5, 1800621.	5.6	83
76	MnPO₄â€Coated Li(Ni_{0.4}Co_{0.2}Mn_{0.4})O₂ for Lithium(â€Ion) Batteries with Outstanding Cycling Stability and Enhanced Lithiation Kinetics. Advanced Energy Materials, 2018, 8, 1801573.	10.2	87
77	Coherent Spin and Quasiparticle Dynamics in Solutionâ€Processed Layered 2D Lead Halide Perovskites. Advanced Science, 2018, 5, 1800664.	5.6	66
78	Morphology controlled lithium storage in Li₃VO₄ anodes. Journal of Materials Chemistry A, 2018, 6, 456-463.	5.2	46
79	Structural and thermoanalytical features of novel morpholinium-based high-voltage ionic liquid. Structural Chemistry, 2017, 28, 279-287.	1.0	2
80	Synergistic capacitive behavior between polyaniline and carbon black. Electrochimica Acta, 2017, 230, 236-244.	2.6	38
81	Free-standing vertically-aligned nitrogen-doped carbon nanotube arrays/graphene as air-breathing electrodes for rechargeable zincâ€“air batteries. Journal of Materials Chemistry A, 2017, 5, 2488-2495.	5.2	83
82	Energy transfer and depolarization in the photoluminescence of a plasmonic molecule. Nanoscale, 2017, 9, 2082-2087.	2.8	7
83	Rapid Pseudocapacitive Sodiumâ€Ion Response Induced by 2D Ultrathin Tin Monoxide Nanoarrays. Advanced Functional Materials, 2017, 27, 1606232.	7.8	108
84	Water-Responsive Shape Recovery Induced Buckling in Biodegradable Photo-Cross-Linked Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10	7.6	109
85	â€œElectron/Ion Spongeâ€•Like V-Based Polyoxometalate: Toward High-Performance Cathode for Rechargeable Sodium Ion Batteries. ACS Nano, 2017, 11, 6911-6920.	7.3	95
86	Recent progress in surface coating of layered LiNi x Co y Mn z O 2 for lithium-ion batteries. Materials Research Bulletin, 2017, 96, 491-502.	2.7	102
87	Phase evolution of lithium intercalation dynamics in 2H-MoS₂. Nanoscale, 2017, 9, 7533-7540.	2.8	83
88	Graphene nanowires anchored to 3D graphene foam via self-assembly for high performance Li and Na ion storage. Nano Energy, 2017, 37, 108-117.	8.2	143
89	Hydrogen-Bonding Evolution during the Polymorphic Transformations in CH₃NH₃PbBr₃: Experiment and Theory. Chemistry of Materials, 2017, 29, 5974-5981.	3.2	80
90	Adaptable metasurface for dynamic anomalous reflection. Applied Physics Letters, 2017, 110, .	1.5	39

#	Article	IF	Citations
91	High Mobility 2D Palladium Diselenide Fieldâ€Effect Transistors with Tunable Ambipolar Characteristics. Advanced Materials, 2017, 29, 1602969.	11.1	251
92	Oxidation, defunctionalization and catalyst life cycle of carbon nanotubes: a Raman spectroscopy view. Physical Chemistry Chemical Physics, 2017, 19, 2276-2285.	1.3	106
93	Space-confinement and chemisorption co-involved in encapsulation of sulfur for lithiumâ€"sulfur batteries with exceptional cycling stability. Journal of Materials Chemistry A, 2017, 5, 24602-24611.	5.2	24
94	Recent advances in air electrodes for Znâ€"air batteries: electrocatalysis and structural design. Materials Horizons, 2017, 4, 945-976.	6.4	263
95	Ordered and Atomically Perfect Fragmentation of Layered Transition Metal Dichalcogenides via Mechanical Instabilities. ACS Nano, 2017, 11, 9191-9199.	7.3	53
96	Toward greener lithium-ion batteries: Aqueous binder-based LiNi0.4Co0.2Mn0.4O2 cathode material with superior electrochemical performance. Journal of Power Sources, 2017, 372, 180-187.	4.0	54
97	1D nanobar-like LiNi_{0.4}Co_{0.2}Mn_{0.4}O₂ as a stable cathode material for lithium-ion batteries with superior long-term capacity retention and high rate capability. Journal of Materials Chemistry A, 2017, 5, 15669-15675.	5.2	51
98	Graphene and graphene-based composites as Li-ion battery electrode materials and their application in full cells. Journal of Materials Chemistry A, 2017, 5, 15423-15446.	5.2	184
99	Current rectification and asymmetric photoresponse in MoS ₂ stacking-induced homojunctions. 2D Materials, 2017, 4, 035011.	2.0	13
100	Transition metal dichalcogenides: structural, optical and electronic property tuning via thickness and stacking. FlatChem, 2017, 4, 1-19.	2.8	51
101	Valley polarization in stacked MoS2 induced by circularly polarized light. Nano Research, 2017, 10, 1618-1626.	5.8	23
102	Largeâ€Area and Highâ€Quality 2D Transition Metal Telluride. Advanced Materials, 2017, 29, 1603471.	11.1	181
103	Metalâ€"Semiconductor Phaseâ€Transition in WSe_{2(1â€}_x₎Te₂_x Monolayer. Advanced Materials, 2017, 29, 1603991.	11.1	123
104	High pressure-induced cleavage and recrystallization of CH<inf>3</inf>NH<inf>3</inf>PbBr<inf>3</inf> perovskite nanoparticles into large nanoplates. , 2017, , .		0
105	Stability of CH<inf>3</inf>NH<inf>3</inf>PbBr<inf>3</inf> and evolution of H-bonding during its polymorphic transformations. , 2017, , .		0
106	Pressureâ€Induced Phase Transition in Weyl Semimetallic WTe₂. Small, 2017, 13, 1701887.	5.2	37
107	Hydrogen-bonding evolution during the polymorphic transformations in CH<inf>3</inf>NH<inf>3</inf>PbBr<inf>3</inf>: Experiment and theory. , 2017, , .		0
108	Enhanced light-matter interaction in atomically thin MoS_2 coupled with 1D photonic crystal nanocavity. Optics Express, 2017, 25, 14691.	1.7	15

#	Article	IF	Citations
109	Growth and characterization of highly tensile strained Ge1â^'xSnx formed on relaxed InyGa1â^'yP buffer layers. Journal of Applied Physics, 2016, 119, .	1.1	4
110	Multiâ€Drugâ€Loaded Microcapsules with Controlled Release for Management of Parkinson's Disease. Small, 2016, 12, 3712-3722.	5.2	19
111	Generic Synthesis of Carbon Nanotube Branches on Metal Oxide Arrays Exhibiting Stable Highâ€Rate and Longâ€Cycle Sodiumâ€Ion Storage. Small, 2016, 12, 3048-3058.	5.2	440
112	Fast Photoresponse from 1T Tin Diselenide Atomic Layers. Advanced Functional Materials, 2016, 26, 137-145.	7.8	150
113	Stability of a high-voltage ionic liquid with a substituted piperidinium cation and a TFSI anion, promising for electrochemical applications. Mendeleev Communications, 2016, 26, 240-242.	0.6	8
114	Active sites-enriched hierarchical MoS₂ nanotubes: highly active and stable architecture for boosting hydrogen evolution and lithium storage. Journal of Materials Chemistry A, 2016, 4, 7565-7572.	5.2	44
115	Anomalous Shift Behaviors in the Photoluminescence of Dolmen-Like Plasmonic Nanostructures. ACS Photonics, 2016, 3, 979-984.	3.2	22
116	Electrocatalytically Active Graphene supported MMo Carbides (M Ni, Co) for Oxygen Reduction Reaction. Electrochimica Acta, 2016, 216, 246-252.	2.6	27
117	Ultrafastâ€Charging Supercapacitors Based on Cornâ€Like Titanium Nitride Nanostructures. Advanced Science, 2016, 3, 1500299.	5.6	163
118	Polyaniline (PANi) based electrode materials for energy storage and conversion. Journal of Science: Advanced Materials and Devices, 2016, 1, 225-255.	1.5	350
119	Subatomic deformation driven by vertical piezoelectricity from CdS ultrathin films. Science Advances, 2016, 2, e1600209.	4.7	67
120	Graphene quantum dots-shielded Na3(VO)2(PO4)2F@C nanocuboids as robust cathode for Na-ion battery. Energy Storage Materials, 2016, 5, 198-204.	9.5	88
121	Ultrastrong light-matter coupling of cyclotron transition in monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mo</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	1.1	1
122	Array of nanosheets render ultrafast and high-capacity Na-ion storage by tunable pseudocapacitance. Nature Communications, 2016, 7, 12122.	5.8	1,232
123	Hierarchical Porous LiNi1/3Co1/3Mn1/3O2 Nano-/Micro Spherical Cathode Material: Minimized Cation Mixing and Improved Li+ Mobility for Enhanced Electrochemical Performance. Scientific Reports, 2016, 6, 25771.	1.6	178
124	Pseudocapacitive Na-Ion Storage Boosts High Rate and Areal Capacity of Self-Branched 2D Layered Metal Chalcogenide Nanoarrays. ACS Nano, 2016, 10, 10211-10219.	7.3	844
125	Large size nitrogen-doped graphene-coated graphite for high performance lithium-ion battery anode. RSC Advances, 2016, 6, 104010-104015.	1.7	14
126	Refined Sulfur Nanoparticles Immobilized in Metalâ€"Organic Polyhedron as Stable Cathodes for Liâ€"S Battery. ACS Applied Materials & Interfaces, 2016, 8, 14328-14333.	4.0	42

#	Article	IF	Citations
127	Strong interfacial coupling of MoS2/g-C3N4 van de Waals solids for highly active water reduction. Nano Energy, 2016, 27, 44-50.	8.2	96
128	Graphene homojunction: closed-edge bilayer graphene by pseudospin interaction. Nanoscale, 2016, 8, 9102-9106.	2.8	5
129	First-Principles Study of the Nuclear Dynamics of Doped Conjugated Polymers. Journal of Physical Chemistry C, 2016, 120, 1994-2001.	1.5	25
130	Graphene-supported non-precious metal electrocatalysts for oxygen reduction reactions: the active center and catalytic mechanism. Journal of Materials Chemistry A, 2016, 4, 7148-7154.	5.2	17
131	MoS2 nanosheets decorated Ni3S2@MoS2 coaxial nanofibers: Constructing an ideal heterostructure for enhanced Na-ion storage. Nano Energy, 2016, 20, 1-10.	8.2	178
132	Aqueous Rechargeable Alkaline Co_xNi_{2â€“x}S₂/TiO₂ Battery. ACS Nano, 2016, 10, 1007-1016.	7.3	123
133	Tunable flat lens based on microfluidic reconfigurable metasurface. , 2015, , .		2
134	The roles of lithium-philic giant nitrogen-doped graphene in protecting micron-sized silicon anode from fading. Scientific Reports, 2015, 5, 15665.	1.6	42
135	Coupling and Interlayer Exciton in Twistâ€Stacked WS₂ Bilayers. Advanced Optical Materials, 2015, 3, 1600-1605.	3.6	63
136	Fabrication of a trans-scale bimetallic synergistic enhanced Raman scattering substrate with high surface-enhanced Raman scattering activity. Analytical Methods, 2015, 7, 1676-1679.	1.3	8
137	Nitrogen-doped Graphene-Supported Transition-metals Carbide Electrocatalysts for Oxygen Reduction Reaction. Scientific Reports, 2015, 5, 10389.	1.6	77
138	Sulphur-free synthesis of helical carbon nanotubes. Materials Technology, 2015, 30, 115-120.	1.5	8
139	Enhanced Lithium Storage Performance of CuO Nanowires by Coating of Graphene Quantum Dots. Advanced Materials Interfaces, 2015, 2, 1400499.	1.9	102
140	ZnO Nanorods with Low Intrinsic Defects and High Optical Performance Grown by Facile Microwave-Assisted Solution Method. ACS Applied Materials & Interfaces, 2015, 7, 4737-4743.	4.0	33
141	Strain engineering in graphene by laser irradiation. Applied Physics Letters, 2015, 106, .	1.5	8
142	Surfactant-assisted encapsulation of uniform SnO₂nanoparticles in graphene layers for high-performance Li-storage. 2D Materials, 2015, 2, 014005.	2.0	18
143	Significantly different mechanical properties and interfacial structures of Cu2ZnSn(S,Se)4 films prepared from metallic and sulfur-contained precursors. Solar Energy Materials and Solar Cells, 2015, 134, 389-394.	3.0	6
144	MoS₂ architectures supported on graphene foam/carbon nanotube hybrid films: highly integrated frameworks with ideal contact for superior lithium storage. Journal of Materials Chemistry A, 2015, 3, 17534-17543.	5.2	51

#	Article	IF	Citations
145	Raman analysis of gold on WSe₂ single crystal film. Materials Research Express, 2015, 2, 065009.	0.8	20
146	Probing Vertical and Horizontal Plasmonic Resonant States in the Photoluminescence of Gold Nanodisks. ACS Photonics, 2015, 2, 1217-1223.	3.2	22
147	Iron Oxide-Decorated Carbon for Supercapacitor Anodes with Ultrahigh Energy Density and Outstanding Cycling Stability. ACS Nano, 2015, 9, 5198-5207.	7.3	441
148	Tunable metamaterial lens array via metadroplets. , 2015, , .		2
149	Pyrolytic synthesis and characterization of N-doped carbon nanoflakes for electrochemical applications. Materials Research Bulletin, 2015, 69, 7-12.	2.7	28
150	Monolayers of WxMo1âˆ’xS2 alloy heterostructure with in-plane composition variations. Applied Physics Letters, 2015, 106, .	1.5	99
151	Shape/temperature memory phenomena in un-crosslinked poly-É›-caprolactone (PCL). European Polymer Journal, 2015, 72, 282-295.	2.6	45
152	Conformally deposited NiO on a hierarchical carbon support for high-power and durable asymmetric supercapacitors. Journal of Materials Chemistry A, 2015, 3, 23283-23288.	5.2	103
153	Binary metal sulfides and polypyrrole on vertically aligned carbon nanotube arrays/carbon fiber paper as high-performance electrodes. Journal of Materials Chemistry A, 2015, 3, 22043-22052.	5.2	36
154	A low-cost and one-step synthesis of N-doped monolithic quasi-graphene films with porous carbon frameworks for Li-ion batteries. Nano Energy, 2015, 17, 43-51.	8.2	73
155	Ultrafast Electron and Hole Relaxation Pathways in Few-Layer MoS₂. Journal of Physical Chemistry C, 2015, 119, 20698-20708.	1.5	47
156	Accurate Modeling of Dark-Field Scattering Spectra of Plasmonic Nanostructures. ACS Nano, 2015, 9, 10039-10046.	7.3	41
157	Controlled Synthesis of High-Quality Monolayered Î±-In₂Se₃ via Physical Vapor Deposition. Nano Letters, 2015, 15, 6400-6405.	4.5	239
158	Plasmon-Modulated Photoluminescence of Single Gold Nanobeams. ACS Photonics, 2015, 2, 1348-1354.	3.2	15
159	Stacking-Dependent Interlayer Coupling in Trilayer MoS₂ with Broken Inversion Symmetry. Nano Letters, 2015, 15, 8155-8161.	4.5	141
160	Graphene Quantum Dots Coated VO₂ Arrays for Highly Durable Electrodes for Li and Na Ion Batteries. Nano Letters, 2015, 15, 565-573.	4.5	493
161	Bandgapâ€Opened Bilayer Graphene Approached by Asymmetrical Intercalation of Trilayer Graphene. Small, 2015, 11, 1177-1182.	5.2	21
162	High-performance asymmetric pseudocapacitor cell based on cobalt hydroxide/graphene and polypyrrole/graphene electrodes. Journal of Power Sources, 2015, 275, 298-304.	4.0	87

#	Article	IF	Citations
163	VO₂ nanoflake arrays for supercapacitor and Li-ion battery electrodes: performance enhancement by hydrogen molybdenum bronze as an efficient shell material. Materials Horizons, 2015, 2, 237-244.	6.4	152
164	Graphene Quantum Dots Coating Enhances Lithium Storage Performance of CuO Nanowires. , 2015, , .		0
165	Three-dimensional graphene and their integrated electrodes. Nano Today, 2014, 9, 785-807.	6.2	251
166	Track-and-Tune Light Field Image Sensor. IEEE Sensors Journal, 2014, 14, 4372-4384.	2.4	9
167	Plasmonic Super-oscillations and Sub-Diffraction Focusing. , 2014, , .		1
168	Flat super-oscillatory lens for heat-assisted magnetic recording with sub-50nm resolution. Optics Express, 2014, 22, 6428.	1.7	48
169	A pseudo-planar metasurface for a polarization rotator. Optics Express, 2014, 22, 10446.	1.7	30
170	A Flexible Alkaline Rechargeable Ni/Fe Battery Based on Graphene Foam/Carbon Nanotubes Hybrid Film. Nano Letters, 2014, 14, 7180-7187.	4.5	346
171	Study on Phase Formation Mechanism of Non- and Near-Stoichiometric Cu₂ZnSn(S,Se)₄ Film Prepared by Selenization of Cuâ€“Snâ€“Znâ€“S Precursors. Chemistry of Materials, 2014, 26, 2005-2014.	3.2	83
172	Ni3S2@MoS2 core/shell nanorod arrays on Ni foam for high-performance electrochemical energy storage. Nano Energy, 2014, 7, 151-160.	8.2	245
173	Microwave-assisted production of giant graphene sheets for high performance energy storage applications. Journal of Materials Chemistry A, 2014, 2, 12166-12170.	5.2	34
174	Plasma Modified MoS₂ Nanoflakes for Surface Enhanced Raman Scattering. Small, 2014, 10, 1090-1095.	5.2	129
175	Hollow nickel nanocorn arrays as three-dimensional and conductive support for metal oxides to boost supercapacitive performance. Nanoscale, 2014, 6, 5691-5697.	2.8	42
176	Ultrafast Carrier Thermalization and Cooling Dynamics in Few-Layer MoS₂. ACS Nano, 2014, 8, 10931-10940.	7.3	236
177	High-performance flexible asymmetric supercapacitors based on a new graphene foam/carbon nanotube hybrid film. Energy and Environmental Science, 2014, 7, 3709-3719.	15.6	557
178	Selfâ€Assembly of Honeycombâ€like MoS₂ Nanoarchitectures Anchored into Graphene Foam for Enhanced Lithiumâ€Ion Storage. Advanced Materials, 2014, 26, 7162-7169.	11.1	408
179	Porous Î±-Fe 2 O 3 nanorods supported on carbon nanotubes-graphene foam as superior anode for lithium ion batteries. Nano Energy, 2014, 9, 364-372.	8.2	241
180	Etching-free patterning method for electrical characterization of atomically thin MoSe₂films grown by chemical vapor deposition. Nanoscale, 2014, 6, 12376-12382.	2.8	27

#	Article	IF	Citations
181	One novel and universal method to prepare transition metal nitrides doped graphene anodes for Li-ion battery. Electrochimica Acta, 2014, 134, 28-34.	2.6	41
182	Co3O4/nitrogen modified graphene electrode as Li-ion battery anode with high reversible capacity and improved initial cycle performance. Nano Energy, 2014, 3, 134-143.	8.2	72
183	A V₂O₅/Conductiveâ€Polymer Core/Shell Nanobelt Array on Threeâ€Dimensional Graphite Foam: A Highâ€Rate, Ultrastable, and Freestanding Cathode for Lithiumâ€Ion Batteries. Advanced Materials, 2014, 26, 5794-5800.	11.1	450
184	Planar super-oscillatory lens for sub-diffraction optical needles at violet wavelengths. Scientific Reports, 2014, 4, 6333.	1.6	116
185	Controlled synthesis of Î±-FeOOH nanorods and their transformation to mesoporous Î±-Fe2O3, Fe3O4@C nanorods as anodes for lithium ion batteries. RSC Advances, 2013, 3, 15316.	1.7	66
186	Spin-Orbit Splitting in Single-Layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Revealed by Triply Resonant Raman Scattering. Physical Review Letters, 2013, 111, 126801.	2.9	137
187	Three dimensionals Î±-Fe2O3/polypyrrole (Ppy) nanoarray as anode for micro lithium ion batteries. Nano Energy, 2013, 2, 726-732.	8.2	102
188	Density and Phonon-Stiffness Anomalies of Water and Ice in the Full Temperature Range. Journal of Physical Chemistry Letters, 2013, 4, 3238-3244.	2.1	116
189	Photoluminescence via gap plasmons between single silver nanowires and a thin gold film. Nanoscale, 2013, 5, 12086.	2.8	20
190	Three-Dimensional Graphene Foam Supported Fe₃O₄ Lithium Battery Anodes with Long Cycle Life and High Rate Capability. Nano Letters, 2013, 13, 6136-6143.	4.5	738
191	Linear angle sensitive pixels for 4D light field capture. , 2013, , .		7
192	Pt-W C nano-composites as an efficient electrochemical catalyst for oxygen reduction reaction. Nano Energy, 2013, 2, 28-39.	8.2	56
193	Improved synthesis of graphene flakes from the multiple electrochemical exfoliation of graphite rod. Nano Energy, 2013, 2, 377-386.	8.2	200
194	A green approach to the synthesis of high-quality graphene oxide flakes via electrochemical exfoliation of pencil core. RSC Advances, 2013, 3, 11745.	1.7	142
195	Repeated microwave-assisted exfoliation of expandable graphite for the preparation of large scale and high quality multi-layer graphene. RSC Advances, 2013, 3, 11601.	1.7	35
196	Free-standing sub-10 nm nanostencils for the definition of gaps in plasmonic antennas. Nanotechnology, 2013, 24, 185301.	1.3	30
197	Molecular adsorption induces the transformation of rhombohedral- to Bernal-stacking order in trilayer graphene. Nature Communications, 2013, 4, 2074.	5.8	34
198	Tuning the Interface Conductivity of LaAlO₃/SrTiO₃ Using Ion Beams: Implications for Patterning. ACS Nano, 2013, 7, 10572-10581.	7.3	34

#	Article	IF	Citations
199	Relaxed and Strained Patterned Germanium-Tin Structures: A Raman Scattering Study. ECS Journal of Solid State Science and Technology, 2013, 2, P138-P145.	0.9	62
200	Thickness and stacking geometry effects on high frequency overtone and combination Raman modes of graphene. Journal of Raman Spectroscopy, 2013, 44, 86-91.	1.2	14
201	Tunneling field-effect transistor with Ge/In0.53Ga0.47As heterostructure as tunneling junction. Journal of Applied Physics, 2013, 113, .	1.1	23
202	Evidence of ultra-low-k dielectric material degradation and nanostructure alteration of the Cu/ultra-low-k interconnects in time-dependent dielectric breakdown failure. Applied Physics Letters, 2013, 102, .	1.5	24
203	Crystallographically tilted and partially strain relaxed GaN grown on inclined {111} facets etched on Si(100) substrate. Journal of Applied Physics, 2013, 114, 243512.	1.1	10
204	Super-oscillatory Optical Needle for Heat Assisted Magnetic Recording. , 2013, , .		0
205	Effects of internal strain and external pressure on electronic structures and optical transitions of self-assembled InxGa1â^'xAs/GaAs quantum dots: An experimental and theoretical study. Journal of Applied Physics, 2012, 112, 014301.	1.1	1
206	Terahertz Bandwidth Optical Nonlinearity of Graphene Metamaterial. , 2012, , .		1
207	Plasmon-Modulated Photoluminescence of Individual Gold Nanostructures. ACS Nano, 2012, 6, 10147-10155.	7.3	157
208	Interaction between graphene and the surface of SiO₂. Journal of Physics Condensed Matter, 2012, 24, 305004.	0.7	69
209	Assembly of suspended graphene on carbon nanotube scaffolds with improved functionalities. Nano Research, 2012, 5, 783-795.	5.8	9
210	Tuning graphene surface chemistry to prepare graphene/polypyrrole supercapacitors with improved performance. Nano Energy, 2012, 1, 723-731.	8.2	78
211	Fourier Transform Infrared Spectroscopy of Low-k Dielectric Material on Patterned Wafers. Japanese Journal of Applied Physics, 2012, 51, 111501.	0.8	2
212	Tailoring Optical Properties of Silicon Nanowires by Au Nanostructure Decorations: Enhanced Raman Scattering and Photodetection. Journal of Physical Chemistry C, 2012, 116, 4416-4422.	1.5	51
213	Magnetism in MoS2 induced by proton irradiation. Applied Physics Letters, 2012, 101, .	1.5	205
214	Band gap opening of graphene by doping small boron nitride domains. Nanoscale, 2012, 4, 2157.	2.8	225
215	Generation of Ultralarge Surface Enhanced Raman Spectroscopy (SERS)-Active Hot-Spot Volumes by an Array of 2D Nano-Superlenses. Analytical Chemistry, 2012, 84, 908-916.	3.2	3
216	Carbon Nanotube-Based Materials for Fuel Cell Applications. Australian Journal of Chemistry, 2012, 65, 1213.	0.5	31

#	Article	IF	Citations
217	Ordered Array of Gold Semishells on TiO₂ Spheres: An Ultrasensitive and Recyclable SERS Substrate. ACS Applied Materials & Interfaces, 2012, 4, 2180-2185.	4.0	186
218	Amplified spontaneous emission from single CdS nanoribbon with low symmetric cross sections. Nanoscale, 2012, 4, 5665.	2.8	9
219	Cobaltâ€Mediated Crystallographic Etching of Graphite From Defects. Small, 2012, 8, 2515-2523.	5.2	22
220	Highly Ordered Arrays of Particleâ€inâ€Bowl Plasmonic Nanostructures for Surfaceâ€Enhanced Raman Scattering. Small, 2012, 8, 2548-2554.	5.2	84
221	Nonlinear graphene metamaterial. Applied Physics Letters, 2012, 100, .	1.5	96
222	Exploration of the active center structure of nitrogen-doped graphene-based catalysts for oxygen reduction reaction. Energy and Environmental Science, 2012, 5, 7936.	15.6	2,089
223	Preparation of Supercapacitor Electrodes through Selection of Graphene Surface Functionalities. ACS Nano, 2012, 6, 5941-5951.	7.3	310
224	Harmonic and single pulse operation of a Raman laser using graphene. Laser Physics Letters, 2012, 9, 223-228.	0.6	28
225	Engineering the Electronic Structure of Graphene. Advanced Materials, 2012, 24, 4055-4069.	11.1	141
226	Observation of the semiconductorâ€"metal transition behavior in monolayer graphene. Carbon, 2012, 50, 2273-2279.	5.4	16
227	Fourier Transform Infrared Spectroscopy of Low-kDielectric Material on Patterned Wafers. Japanese Journal of Applied Physics, 2012, 51, 111501.	0.8	1
228	Highly effective SERS substrates based on an atomic-layer-deposition-tailored nanorod array scaffold. Nanoscale, 2011, 3, 3627.	2.8	25
229	Exciton-Related Photoluminescence and Lasing in CdS Nanobelts. Journal of Physical Chemistry C, 2011, 115, 12826-12830.	1.5	78
230	High-mobility germanium-tin (GeSn) P-channel MOSFETs featuring metallic source/drain and sub-370 °C process modules. , 2011, , .		39
231	Surface enhanced Raman scattering of aged graphene: Effects of annealing in vacuum. Applied Physics Letters, 2011, 99, .	1.5	20
232	Site-selective localization of analytes on gold nanorod surface for investigating field enhancement distribution in surface-enhanced Raman scattering. Nanoscale, 2011, 3, 1575.	2.8	39
233	Phonon confinement in Ge nanocrystals in silicon oxide matrix. Journal of Applied Physics, 2011, 109, 033107.	1.1	18
234	Mega-electron-volt proton irradiation on supported and suspended graphene: A Raman spectroscopic layer dependent study. Journal of Applied Physics, 2011, 110, .	1.1	56

#	Article	IF	Citations
235	Room temperature ferromagnetism in partially hydrogenated epitaxial graphene. Applied Physics Letters, 2011, 98, .	1.5	126
236	Direct and Reliable Patterning of Plasmonic Nanostructures with Sub-10-nm Gaps. ACS Nano, 2011, 5, 7593-7600.	7.3	231
237	Electronic Structures and Structural Evolution of Hydrogenated Graphene Probed by Raman Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 1422-1427.	1.5	95
238	Hyper-spectral confocal nano-imaging with a 2D super-lens. Optics Express, 2011, 19, 2502.	1.7	5
239	Sub-micron free-standing metal slabs with dielectric nano-voids of arbitrary shapes embedded beneath atomically-flat surface. Optics Express, 2011, 19, 10518.	1.7	3
240	A molecular quantum wire of linear carbon chains encapsulated within single-walled carbon nanotube (Cn@SWNT). Journal of Applied Physics, 2011, 109, 016108.	1.1	5
241	Growth of horizontally aligned dense carbon nanotubes from trench sidewalls. Nanotechnology, 2011, 22, 479502.	1.3	6
242	Efficient Growth of Horizontally Aligned Single-Walled Carbon Nanotubes by Chemical Vapor Deposition Over MgO-Supported Bimetallic Co-Based Catalysts. Journal of Nanoscience and Nanotechnology, 2011, 11, 143-147.	0.9	0
243	Polarized SERS study of an individual Ag nanowire with bulb humps. Optics Communications, 2011, 284, 5844-5846.	1.0	3
244	Thermal Dynamics of Graphene Edges Investigated by Polarized Raman Spectroscopy. ACS Nano, 2011, 5, 147-152.	7.3	51
245	Pyridinic N doped graphene: synthesis, electronic structure, and electrocatalytic property. Journal of Materials Chemistry, 2011, 21, 8038.	6.7	896
246	Low temperature edge dynamics of AB-stacked bilayer graphene: Naturally favored closed zigzag edges. Scientific Reports, 2011, 1, 12.	1.6	37
247	Monolayer graphene as a saturable absorber in a mode-locked laser. Nano Research, 2011, 4, 297-307.	5.8	408
248	Individual Ag Nanowire Dimer for Surface-Enhanced Raman Scattering. Plasmonics, 2011, 6, 761-766.	1.8	13
249	Influences of graphene oxide support on the electrochemical performances of graphene oxide-MnO2 nanocomposites. Nanoscale Research Letters, 2011, 6, 531.	3.1	95
250	Enhancement of Raman scattering by individual dielectric microspheres. Journal of Raman Spectroscopy, 2011, 42, 145-148.	1.2	38
251	Largeâ€Scale Synthesis of Biâ€layer Graphene in Strongly Coupled Stacking Order. Advanced Functional Materials, 2011, 21, 911-917.	7.8	90
252	A Highly Orderâ€Structured Membrane Electrode Assembly with Vertically Aligned Carbon Nanotubes for Ultraâ€Low Pt Loading PEM Fuel Cells. Advanced Energy Materials, 2011, 1, 1205-1214.	10.2	168

#	Article	IF	Citations
253	Tripleâ€Layer (Au@Perylene)@Polyaniline Nanocomposite: Unconventional Growth of Faceted Organic Nanocrystals on Polycrystalline Au. Angewandte Chemie - International Edition, 2011, 50, 9898-9902.	7.2	55
254	Electronic structure of graphite oxide and thermally reduced graphite oxide. Carbon, 2011, 49, 1362-1366.	5.4	218
255	One-step synthesis of NH2-graphene from in situ graphene-oxide reduction and its improved electrochemical properties. Carbon, 2011, 49, 3250-3257.	5.4	372
256	The effect of layer number and substrate on the stability of graphene under MeV proton beam irradiation. Carbon, 2011, 49, 1720-1726.	5.4	86
257	Impact of Implantation and Annealing on Channel Strain of Transistors with Embedded Siliconâ€"Germanium Source and Drain. Japanese Journal of Applied Physics, 2011, 50, 040208.	0.8	1
258	Vibrational spectroscopy of low-k/ultra-low-k dielectric materials on patterned wafers. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, .	0.9	15
259	Epitaxial growth and characterization of graphene on free-standing polycrystalline 3C-SiC. Journal of Applied Physics, 2011, 110, 014308.	1.1	22
260	Growth of horizontally aligned dense carbon nanotubes from trench sidewalls. Nanotechnology, 2011, 22, 265614.	1.3	15
261	Phase Noise and Timing Jitter Eliminator for Mode-locked Lasers Based on External Graphene Layers. , 2011, , .		2
262	Probing Chirality of a Lipid Tubular by Confocal Raman Microscopy. Journal of Nanoscience and Nanotechnology, 2010, 10, 7208-7211.	0.9	4
263	Channel stress measurements of 45 nm node transistors with embedded silicon-germanium source and drain using ultraviolet Raman spectroscopy. Applied Physics Letters, 2010, 96, 213513.	1.5	5
264	Direct determination of the crystallographic orientation of graphene edges by atomic resolution imaging. Applied Physics Letters, 2010, 97, 053110.	1.5	70
265	Near-field Coupling Effect between Individual Au Nanospheres and their Supporting SiO2/Si Substrate. Plasmonics, 2010, 5, 105-109.	1.8	9
266	Plasma-Assisted Synthesis of Carbon Nanotubes. Nanoscale Research Letters, 2010, 5, 1377-1386.	3.1	39
267	FeCl₃â€Based Fewâ€Layer Graphene Intercalation Compounds: Single Linear Dispersion Electronic Band Structure and Strong Charge Transfer Doping. Advanced Functional Materials, 2010, 20, 3504-3509.	7.8	154
268	Polarized Emission and Optical Waveguide in Crystalline Perylene Diimide Microwires. Advanced Materials, 2010, 22, 3661-3666.	11.1	146
269	The effect of vacuum annealing on graphene. Journal of Raman Spectroscopy, 2010, 41, 479-483.	1.2	216
270	Tipâ€enhanced Raman spectroscopy using singleâ€crystalline Ag nanowire as tip. Journal of Raman Spectroscopy, 2010, 41, 1156-1162.	1.2	42

#	Article	IF	Citations
271	Probing Layer Number and Stacking Order of Fewâ€Layer Graphene by Raman Spectroscopy. Small, 2010, 6, 195-200.	5.2	650
272	A Comparative Study on Si Activation in GaAs Between Laser Annealing and Rapid Thermal Annealing. Electrochemical and Solid-State Letters, 2010, 13, H200.	2.2	2
273	Understanding the contact characteristics in single or multi-layer graphene devices: The impact of defects (carbon vacancies) and the asymmetric transportation behavior. , 2010, , .		5
274	Raman mapping probing of tip-induced anomalous polarization behavior in V2O5 waveguiding nanoribbons. Applied Physics Letters, 2010, 96, .	1.5	8
275	Nanoheteroepitaxy of gallium arsenide on strain-compliant siliconâ€"germanium nanowires. Journal of Applied Physics, 2010, 108, 024312.	1.1	2
276	Raman mapping probing of V<inf>2</inf>O<inf>5</inf> waveguiding nanoribbons. , 2010, , .		0
277	Bound magnetic polarons induced ferromagnetism in transition-metal-doped oxide nanostructures. , 2010, , .		1
278	Modifying Properties of Grapheneâ€"a Raman Microscopic Study. , 2010, , .		0
279	Enhanced Raman Scattering of Silicon Nanowires by Ag Nanoparticles in-situ Decoration. , 2010, , .		1
280	Near-field spectroscopy of nanostructures. Proceedings of SPIE, 2010, , .	0.8	0
281	Band-Bending at the Grapheneâ€"SiC Interfaces: Effect of the Substrate. Japanese Journal of Applied Physics, 2010, 49, 01AH05.	0.8	10
282	Size and Wall Thickness Effects of Plasmonic Metal Nanobowl Structures. , 2010, , .		0
283	Fine Structure of Ultraviolet Photoluminescence of Tin Oxide Nanowires. Journal of Physical Chemistry C, 2010, 114, 3407-3410.	1.5	68
284	Modulating the electronic structures of graphene by controllable hydrogenation. Applied Physics Letters, 2010, 97, .	1.5	82
285	Fabrication and SERS Performance of Silver-Nanoparticle-Decorated Si/ZnO Nanotrees in Ordered Arrays. ACS Applied Materials & Interfaces, 2010, 2, 1824-1828.	4.0	198
286	The role of sp-hybridized atoms in carbon ferromagnetism: a spin-polarized density functional theory calculation. Journal of Physics Condensed Matter, 2010, 22, 046001.	0.7	5
287	Stacking dependent optical properties of bilayer graphene. , 2010, , .		0
288	Stacking-Dependent Optical Conductivity of Bilayer Graphene. ACS Nano, 2010, 4, 4074-4080.	7.3	145

#	Article	IF	Citations
289	Graphene in a photonic metamaterial. Optics Express, 2010, 18, 8353.	1.7	214
290	Pure angular momentum generator using a ring resonator. Optics Express, 2010, 18, 21651.	1.7	31
291	Huge light scattering from active anisotropic spherical particles. Optics Express, 2010, 18, 24868.	1.7	22
292	Predicting the hydrogen bond ordered structures of ice Ih, II, III, VI and ice VII: DFT methods with localized based set. Computational Materials Science, 2010, 49, S170-S175.	1.4	28
293	Fabrication of graphene nanogap with crystallographically matching edges and its electron emission properties. Applied Physics Letters, 2010, 96, .	1.5	52
294	Two-dimensional carbon nanostructures: Fundamental properties, synthesis, characterization, and potential applications. Journal of Applied Physics, 2010, 108, .	1.1	258
295	Gold on graphene as a substrate for surface enhanced Raman scattering study. Applied Physics Letters, 2010, 97, .	1.5	81
296	On Resonant Scatterers As a Factor Limiting Carrier Mobility in Graphene. Nano Letters, 2010, 10, 3868-3872.	4.5	256
297	Surface plasmon induced exciton redistribution in ZnCdO/ZnO coaxial multiquantum-well nanowires. Applied Physics Letters, 2010, 97, .	1.5	11
298	Functionalizing Single- and Multi-layer Graphene with Br and Br2. Journal of Physical Chemistry C, 2010, 114, 14939-14945.	1.5	43
299	Ultrafast carrier dynamics in pristine and FeCl3-intercalated bilayer graphene. Applied Physics Letters, 2010, 97, 141910.	1.5	28
300	Self-Built Tensile Strain in Large Single-Walled Carbon Nanotubes. ACS Nano, 2010, 4, 992-998.	7.3	4
301	Surface-Energy Engineering of Graphene. Langmuir, 2010, 26, 3798-3802.	1.6	426
302	Ultrathin single-crystal ZnO nanobelts: Ag-catalyzed growth and field emission property. Nanotechnology, 2010, 21, 255701.	1.3	72
303	Heteroepitaxial Decoration of Ag Nanoparticles on Si Nanowires: A Case Study on Raman Scattering and Mapping. Nano Letters, 2010, 10, 3940-3947.	4.5	52
304	Theoretical Study on Structural Stability of Alloy Cages: a Case of Silicon-doped Heterofullerenes. Communications in Computational Physics, 2010, 8, 289-303.	0.7	4
305	Comment on â€œRaman spectra of misoriented bilayer grapheneâ€. Physical Review B, 2009, 79, .	1.1	10
306	Strong correlation between ferromagnetism and oxygen deficiency in Cr-doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>In</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub Physical Review B, 2009, 79, .	1.1	154

#	Article	IF	Citations
307	Influence of thin metal nanolayers on the photodetective properties of ZnO thin films. Journal of Applied Physics, 2009, 106, 083110.	1.1	31
308	Pulsed laser deposition of ZnO honeycomb structures on metal catalyst prepatterned Si substrates. Journal Physics D: Applied Physics, 2009, 42, 065417.	1.3	10
309	Enhancement of Carrier Mobilities of Organic Semiconductors on Solâ€"Gel Dielectrics: Investigations of Molecular Organization and Interfacial Chemistry Effects. Advanced Functional Materials, 2009, 19, 378-385.	7.8	15
310	Atomicâ€Layer Graphene as a Saturable Absorber for Ultrafast Pulsed Lasers. Advanced Functional Materials, 2009, 19, 3077-3083.	7.8	2,310
311	Singleâ€Crystalline V₂O₅ Ultralong Nanoribbon Waveguides. Advanced Materials, 2009, 21, 2436-2440.	11.1	146
312	Spatial distribution of defect in ZnO nanodisks. Current Applied Physics, 2009, 9, 573-576.	1.1	12
313	Polarization-Dependent Confocal Imaging of Individual Ag Nanorods and Nanoparticles. Plasmonics, 2009, 4, 217-222.	1.8	13
314	Enhanced Field Emission from Argon Plasma-Treated Ultra-sharp Î±-Fe2O3Nanoflakes. Nanoscale Research Letters, 2009, 4, 1115-1119.	3.1	20
315	New Colloidal Lithographic Nanopatterns Fabricated by Combining Pre-Heating and Reactive Ion Etching. Nanoscale Research Letters, 2009, 4, 1324-1328.	3.1	30
316	Synthesis of silica supported titania nanocomposite in controllable phase content and morphology. Applied Physics A: Materials Science and Processing, 2009, 95, 555-562.	1.1	7
317	The stress analysis of Si MEMS devices by micro-Raman technique. Thin Solid Films, 2009, 517, 4905-4908.	0.8	13
318	The phase transition in PrGa0.95Mg0.05O3 at elevated temperatures. Journal of Physics and Chemistry of Solids, 2009, 70, 533-535.	1.9	1
319	Polymer-encapsulated silver nanoparticle monomer and dimer for surface-enhanced Raman scattering. Chemical Physics Letters, 2009, 473, 317-320.	1.2	18
320	The characterization and application of p-type semiconducting mesoporous carbon nanofibers. Carbon, 2009, 47, 1841-1845.	5.4	31
321	Thickness-Dependent Reversible Hydrogenation of Graphene Layers. ACS Nano, 2009, 3, 1781-1788.	7.3	320
322	Orientation Controllable Growth of MoO₃ Nanoflakes: Micro-Raman, Field Emission, and Birefringence Properties. Journal of Physical Chemistry C, 2009, 113, 20259-20263.	1.5	93
323	Facile â€œScratchingâ€•Method with Common Metal Objects To Generate Large-Scale Catalyst Patterns Used for Growth of Single-Walled Carbon Nanotubes. ACS Applied Materials & Interfaces, 2009, 1, 1873-1877.	4.0	8
324	Probing Charged Impurities in Suspended Graphene Using Raman Spectroscopy. ACS Nano, 2009, 3, 569-574.	7.3	196

#	Article	IF	Citations
325	A theoretical study of thermal stability and electronic properties of wurtzite and zincblende ZnO_xS_{1â^'x}. New Journal of Physics, 2009, 11, 093008.	1.2	42
326	Inverse design for directional emitter and power splitter based on photonic crystal waveguide with surface corrugations. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 2157.	0.9	12
327	Genetic optimization of photonic crystal waveguide termination for both on-axis and off-axis highly efficient directional emission. Optics Express, 2009, 17, 10126.	1.7	18
328	Bandgap engineering of graphene: A density functional theory study. Applied Physics Letters, 2009, 95, .	1.5	121
329	Giant enhancement of top emission from ZnO thin film by nanopatterned Pt. Applied Physics Letters, 2009, 94, .	1.5	106
330	Ferroelectric Transistors with Nanowire Channel: Toward Nonvolatile Memory Applications. ACS Nano, 2009, 3, 700-706.	7.3	89
331	Symmetry Breaking of Graphene Monolayers by Molecular Decoration. Physical Review Letters, 2009, 102, 135501.	2.9	224
332	Correlation between in Situ Raman Scattering and Electrical Conductance for an Individual Double-Walled Carbon Nanotube. Nano Letters, 2009, 9, 383-387.	4.5	13
333	A first-principle study on the structure, stability and hardness of cubic BC2N. Diamond and Related Materials, 2009, 18, 1278-1282.	1.8	21
334	Morphology-controlled synthesis and a comparative study of the physical properties of SnO2nanostructures: from ultrathin nanowires to ultrawide nanobelts. Nanotechnology, 2009, 20, 135605.	1.3	49
335	Simple and rapid synthesis of ultrathin gold nanowires, their self-assembly and application in surface-enhanced Raman scattering. Chemical Communications, 2009, , 1984.	2.2	245
336	Raman scattering study on anisotropic property of wurtzite GaN. Journal of Applied Physics, 2009, 105, 036102.	1.1	28
337	Fabrication of Graphene Nanodisk Arrays Using Nanosphere Lithography. Journal of Physical Chemistry C, 2009, 113, 6529-6532.	1.5	98
338	P -type electrical, photoconductive, and anomalous ferromagnetic properties of Cu2O nanowires. Applied Physics Letters, 2009, 94, .	1.5	95
339	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>G</mml:mi></mml:math>-band Raman double resonance in twisted bilayer graphene: Evidence of band splitting and folding. Physical Review B, 2009, 80, .	1.1	116
340	Density Functional Theory Study of Finite Carbon Chains. ACS Nano, 2009, 3, 3788-3794.	7.3	56
341	Single-Crystalline MFe₂O₄ Nanotubes/Nanorings Synthesized by Thermal Transformation Process for Biological Applications. ACS Nano, 2009, 3, 2798-2808.	7.3	211
342	Multifunctional CuO nanowire devices: p-type field effect transistors and CO gas sensors. Nanotechnology, 2009, 20, 085203.	1.3	323

#	Article	IF	Citations
343	Shape-Controlled Synthesis of Single-Crystalline Fe₂O₃ Hollow Nanocrystals and Their Tunable Optical Properties. Journal of Physical Chemistry C, 2009, 113, 9928-9935.	1.5	146
344	Metal Hydroxide and Metal Oxide Nanostructures from Metal Corrosion. Journal of Nanoscience and Nanotechnology, 2009, 9, 1496-1500.	0.9	5
345	Optical investigation of GaSb thin films grown on GaAs by metalorganic magnetron sputtering. Thin Solid Films, 2008, 516, 5493-5497.	0.8	9
346	Raman spectroscopy and imaging of graphene. Nano Research, 2008, 1, 273-291.	5.8	1,181
347	Plasmonâ€enhanced polarized Raman spectroscopy for sensitive surface characterization. Journal of Raman Spectroscopy, 2008, 39, 1338-1342.	1.2	6
348	Potassium Tungsten Bronze Nanowires: Polarized Microâ€Raman Scattering of Individual Nanowires and Electron Field Emission from Nanowire Films. Advanced Materials, 2008, 20, 352-356.	11.1	44
349	Electrical Detection of Femtomolar DNA via Goldâ€Nanoparticle Enhancement in Carbonâ€Nanotubeâ€Network Fieldâ€Effect Transistors. Advanced Materials, 2008, 20, 2389-2393.	11.1	96
350	Confocal white light reflection imaging for characterization of metal nanostructures. Optics Communications, 2008, 281, 5360-5363.	1.0	10
351	Reduction of Fermi velocity in folded graphene observed by resonance Raman spectroscopy. Physical Review B, 2008, 77, .	1.1	247
352	Resonant Raman spectroscopy of (Mn,Co)-codoped ZnO films. Journal of Applied Physics, 2008, 103, .	1.1	43
353	Large-scale metal oxide nanostructures on template-patterned microbowls: A simple method for growth of hierarchical structures. Materials Letters, 2008, 62, 389-393.	1.3	9
354	Raman Mapping Investigation of Graphene on Transparent Flexible Substrate: The Strain Effect. Journal of Physical Chemistry C, 2008, 112, 12602-12605.	1.5	260
355	Synthesis of Single-Crystal Tetragonal Î±-MnO₂ Nanotubes. Journal of Physical Chemistry C, 2008, 112, 12594-12598.	1.5	244
356	Single CeO₂ Nanowire Gas Sensor Supported with Pt Nanocrystals: Gas Sensitivity, Surface Bond States, and Chemical Mechanism. Journal of Physical Chemistry C, 2008, 112, 9061-9065.	1.5	212
357	FUNCTIONALIZATION EFFECT ON THE ELECTRONIC PROPERTIES OF SINGLE WALLED CARBON NANOTUBES. Functional Materials Letters, 2008, 01, 1-6.	0.7	31
358	Reversible UV-Light-Induced Ultrahydrophobic-to-Ultrahydrophilic Transition in an Î±-Fe₂O₃ Nanoflakes Film. Langmuir, 2008, 24, 10569-10571.	1.6	95
359	Morphology Controllable Synthesis of Î±-Fe₂O₃ 1D Nanostructures: Growth Mechanism and Nanodevice Based on Single Nanowire. Journal of Physical Chemistry C, 2008, 112, 10784-10788.	1.5	83
360	Effect of ion bombardment on the synthesis of vertically aligned single-walled carbon nanotubes by plasma-enhanced chemical vapor deposition. Nanotechnology, 2008, 19, 255607.	1.3	24

#	Article	IF	Citations
361	Raman spectroscopy of epitaxial graphene on a SiC substrate. Physical Review B, 2008, 77, .	1.1	477
362	Edge chirality determination of graphene by Raman spectroscopy. Applied Physics Letters, 2008, 93, .	1.5	226
363	Raman Studies of Monolayer Graphene: The Substrate Effect. Journal of Physical Chemistry C, 2008, 112, 10637-10640.	1.5	663
364	Visibility study of graphene multilayer structures. Journal of Applied Physics, 2008, 103, .	1.1	51
365	Near-field Raman imaging using optically trapped dielectric microsphere. Optics Express, 2008, 16, 7976.	1.7	52
366	Orientation-Dependent Raman Spectroscopy of Single Wurtzite CdS Nanowires. Journal of Physical Chemistry C, 2008, 112, 1865-1870.	1.5	83
367	Uniaxial Strain on Graphene: Raman Spectroscopy Study and Band-Gap Opening. ACS Nano, 2008, 2, 2301-2305.	7.3	1,409
368	A first-principle analysis on the phase stabilities, chemical bonds and band gaps of wurtzite structure A_xZn_{1â^'x}O alloys (A = Ca, Cd, Mg). Journal of Physics Condensed Matter, 2008, 20, 235221.	0.7	67
369	Effective photoluminescence modification of ZnO nanocombs by plasma immersion ion implantation. , 2008, , .		4
370	Tunable Stress and Controlled Thickness Modification in Graphene by Annealing. ACS Nano, 2008, 2, 1033-1039.	7.3	304
371	On the Use of Bond-Counting Rules in Predicting the Stability of C₁₂B₆N₆ Fullerene. Journal of Physical Chemistry C, 2008, 112, 15691-15696.	1.5	24
372	Interference enhancement of Raman signal of graphene. Applied Physics Letters, 2008, 92, .	1.5	292
373	A Novel Near-field Raman and White Light Imaging System for Nano Photonic and Plasmonic Studies. Materials Research Society Symposia Proceedings, 2008, 1077, 110601.	0.1	0
374	Pulsed-laser-induced nc-Si and nc-Si/SiOx coreâ€"shell structures on Si substrates. Journal of Materials Research, 2008, 23, 994-997.	1.2	1
375	A Simple Route to Growth of Silicon Nanowires. Journal of Nanoscience and Nanotechnology, 2008, 8, 5787-5790.	0.9	3
376	Visualization and investigation of Siâ€"C covalent bonding of single carbon nanotube grown on silicon substrate. Applied Physics Letters, 2008, 93, 103111.	1.5	14
377	Effect of near-field coupling on far-field inelastic scattering imaging of gold nanoparticles. Nanotechnology, 2008, 19, 395705.	1.3	10
378	Polymer-based microfluidics with surface-enhanced Raman-spectroscopy-active periodic metal nanostructures for biofluid analysis. Journal of Biomedical Optics, 2008, 13, 054026.	1.4	31

#	Article	IF	Citations
379	High pressure photoluminescence and Raman studies of ZnxCd1âˆ’xSe quantum dots. Journal of Physics Condensed Matter, 2008, 20, 325214.	0.7	5
380	Solution-processed trilayer inorganic dielectric for high performance flexible organic field effect transistors. Applied Physics Letters, 2008, 93, 183503.	1.5	20
381	Electronic transport and layer engineering in multilayer graphene structures. Applied Physics Letters, 2008, 92, .	1.5	37
382	Fabrication of CNT interconnect structures and active devices using laser beam manipulation and deposition. , 2008, , .		0
383	Tunable wettability in surface-modified ZnO-based hierarchical nanostructures. Applied Physics Letters, 2008, 92, .	1.5	69
384	A novel gas sensor based on field ionization from ZnO nanowires: moderate working voltage and high stability. Nanotechnology, 2008, 19, 175501.	1.3	123
385	Tunable transport properties of n-type ZnO nanowires by Ti plasma immersion ion implantation. Journal of Applied Physics, 2008, 104, .	1.1	13
386	Ultra-high resolution Raman imaging by optically trapped dielectric microsphere. , 2008, , .		0
387	APPLICATIONS OF GOLD NANOPARTICLES IN THE EARLY DETECTION OF CANCER. Journal of Mechanics in Medicine and Biology, 2007, 07, 19-35.	0.3	9
388	Diamond-shaped ZnO microrafts and their optical and magnetic properties. Nanotechnology, 2007, 18, 055709.	1.3	4
389	Anisotropy of electron-phonon coupling in single wurtzite CdS nanowires. Applied Physics Letters, 2007, 91, .	1.5	41
390	Stimulated emission of CdS nanowires grown by thermal evaporation. Applied Physics Letters, 2007, 91, .	1.5	26
391	High pressure photoluminescence and Raman investigations of CdSeâˆ•ZnS core/shell quantum dots. Applied Physics Letters, 2007, 90, 021921.	1.5	38
392	High-resolution Raman imaging by optically tweezing a dielectric microsphere. Materials Research Society Symposia Proceedings, 2007, 1025, 1.	0.1	0
393	Optical and Magnetic Properties of Ni-Doped ZnO Nanocones. Journal of Nanoscience and Nanotechnology, 2007, 7, 3620-3623.	0.9	4
394	Phonon-assisted stimulated emission in Mn-doped ZnO nanowires. Journal of Physics Condensed Matter, 2007, 19, 136206.	0.7	28
395	A direct first principles study on the structure and electronic properties of BexZn1âˆ’xO. Applied Physics Letters, 2007, 91, 121121.	1.5	64
396	Tailoring Wettability Change on Aligned and Patterned Carbon Nanotube Films for Selective Assembly. Journal of Physical Chemistry B, 2007, 111, 1672-1678.	1.2	45

#	Article	IF	Citations
397	Investigation into a Surface Plasmon Related Heating Effect in Surface Enhanced Raman Spectroscopy. Analytical Chemistry, 2007, 79, 8870-8882.	3.2	36
398	DNA Sensing by Field-Effect Transistors Based on Networks of Carbon Nanotubes. Journal of the American Chemical Society, 2007, 129, 14427-14432.	6.6	144
399	Graphene Thickness Determination Using Reflection and Contrast Spectroscopy. Nano Letters, 2007, 7, 2758-2763.	4.5	1,034
400	Î±â€Fe₂O₃ Nanoflakes as an Anode Material for Liâ€Ion Batteries. Advanced Functional Materials, 2007, 17, 2792-2799.	7.8	1,024
401	High-pressure Raman and photoluminescence of highly anisotropic CdS nanowires. Journal of Raman Spectroscopy, 2007, 38, 1112-1116.	1.2	16
402	High temperature Raman spectroscopy studies of carbon nanowalls. Journal of Raman Spectroscopy, 2007, 38, 1449-1453.	1.2	32
403	Ultra-sharp Î±-Fe2O3 nanoflakes: growth mechanism and field-emission. Applied Physics A: Materials Science and Processing, 2007, 89, 115-119.	1.1	44
404	Squeezing Germanium Nanostructures. , 2007, , 275-300.		0
405	Raman spectroscopic investigation of carbon nanowalls. Journal of Chemical Physics, 2006, 124, 204703.	1.2	131
406	Catalyst-free pulsed-laser-deposited ZnO nanorods and their room-temperature photoluminescence properties. Applied Physics Letters, 2006, 88, 053110.	1.5	108
407	Bendability of single-crystal Si MOSFETs investigated on flexible substrate. IEEE Electron Device Letters, 2006, 27, 538-541.	2.2	21
408	Phase Transition Mechanism in KIO3Single Crystals. Journal of Physics: Conference Series, 2006, 28, 105-109.	0.3	8
409	ZnS/Si composite nano-structured thin films and their photoluminescence. Journal of Physics: Conference Series, 2006, 28, 127-130.	0.3	2
410	Synthesis of "Cactus" Top-Decorated Aligned Carbon Nanotubes and Their Third-Order Nonlinear Optical Properties. Journal of Nanoscience and Nanotechnology, 2006, 6, 990-995.	0.9	3
411	Plasmon-induced heating effect in surface enhanced Raman scattering. , 2006, , .		0
412	Substrate-Friendly Synthesis of Metal Oxide Nanostructures Using a Hotplate. Small, 2006, 2, 80-84.	5.2	93
413	Enhanced field emission from O2 and CF4 plasma-treated CuO nanowires. Chemical Physics Letters, 2006, 419, 458-463.	1.2	66
414	Photoluminescence and growth mechanism of amorphous silica nanowires by vapor phase transport. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 31, 218-223.	1.3	16

#	Article	IF	Citations
415	Design of wideband hybrid silicon carbide single-stage power amplifier. Microelectronic Engineering, 2006, 83, 20-23.	1.1	0
416	Co-synthesis of ZnOâ€"CuO Nanostructures by Directly Heating Brass in Air. Advanced Functional Materials, 2006, 16, 2415-2422.	7.8	104
417	Multiwalled Carbon Nanotubes Beaded with ZnO Nanoparticles for Ultrafast Nonlinear Optical Switching. Advanced Materials, 2006, 18, 587-592.	11.1	219
418	Strong Green Luminescence of Mg-Doped ZnO Nanowires. Journal of Nanoscience and Nanotechnology, 2006, 6, 2529-2532.	0.9	3
419	Disorder induced bands in first order Raman spectra of carbon nanowalls. , 2006, , .		0
420	Anisotropic Properties of GaN Studied by Raman Scattering. Materials Science Forum, 2006, 527-529, 1517-1520.	0.3	0
421	A Novel Interconnect Material for SOFCs. Electrochemical and Solid-State Letters, 2005, 8, A250-A252.	2.2	11
422	Deposition Method for Preparing SERS-Active Gold Nanoparticle Substrates. Analytical Chemistry, 2005, 77, 7462-7471.	3.2	62
423	Controlled Growth and Field-Emission Properties of Cobalt Oxide Nanowalls. Advanced Materials, 2005, 17, 1595-1599.	11.1	255
424	Effects of CF4 plasma on the field emission properties of aligned multi-wall carbon nanotube films. Carbon, 2005, 43, 395-400.	5.4	71
425	Determination of Raman Phonon Strain Shift Coefficient of Strained Silicon and Strained SiGe. Japanese Journal of Applied Physics, 2005, 44, 7922-7924.	0.8	42
426	Optical and Field Emission Properties of Zinc Oxide Nanostructures. Journal of Nanoscience and Nanotechnology, 2005, 5, 1683-1687.	0.9	12
427	Mechanism of simultaneous formation of refractory-metal free C40 and C49â€,TiSi[sub 2] induced by Q-switched Nd:Yttriumâ€"aluminumâ€"garnet laser irradiation. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 480.	1.6	1
428	Quantitative analysis ofSr2RuO4angle-resolved photoemission spectra: Many-body interactions in a model Fermi liquid. Physical Review B, 2005, 72, .	1.1	54
429	Approach to interface roughness of silicide thin films by micro-Raman imaging. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 468.	1.6	6
430	Patterning and fusion of CuO nanorods with a focused laser beam. Nanotechnology, 2005, 16, 1238-1244.	1.3	23
431	Complexation Between PVP and Gantrez Polymer and Its Effect on Release and Bioadhesive Properties of the Composite PVP/Gantrez Films. Pharmaceutical Development and Technology, 2005, 9, 379-386.	1.1	15
432	The Effect of Film Thickness on the C40 TiSi[sub 2] to C54 TiSi[sub 2] Transition Temperature. Journal of the Electrochemical Society, 2005, 152, G754.	1.3	4

#	Article	IF	Citations
433	Mid-infrared radiation in an aperiodically poled LiNbO3 superlattice induced by cascaded parametric processes. Journal of Physics Condensed Matter, 2004, 16, 8465-8474.	0.7	12
434	Effects of degree of three-dimensional order and Fe impurities on photoluminescence of boron nitride. Journal of Applied Physics, 2004, 96, 1947-1952.	1.1	11
435	Strong deep-blue photoluminescence of mesographite boron nitride. Journal of Physics Condensed Matter, 2004, 16, 2181-2186.	0.7	21
436	Raman spectroscopy investigation on excimer laser annealing and thickness determination of nanoscale amorphous silicon. Nanotechnology, 2004, 15, 658-662.	1.3	7
437	Influence of preparation method on SrMoO4 impurity content and magnetotransport properties of double perovskite Sr2FeMoO6 polycrystals. Solid State Communications, 2004, 129, 551-554.	0.9	13
438	High coercivity Co-ferrite thin films on SiO2 (100) substrate. Journal of Magnetism and Magnetic Materials, 2004, 282, 211-215.	1.0	11
439	Raman and photoluminescence properties of Ge nanocrystals in silicon oxide matrix. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 107, 8-13.	1.7	36
440	Raman scattering studies in two kinds of Ge nanosystems under hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2004, 241, 3269-3273.	0.7	2
441	Raman scattering studies of Ge/Si islands under hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2004, 241, 3274-3278.	0.7	2
442	Thermal stability study of NiSi and NiSi2 thin films. Microelectronic Engineering, 2004, 71, 104-111.	1.1	94
443	Thermal stability of strained Si/Si1â^'xGex heterostructures for advanced microelectronics devices. Thin Solid Films, 2004, 462-463, 76-79.	0.8	6
444	Investigation of individual CuO nanorods by polarized micro-Raman scattering. Journal of Crystal Growth, 2004, 268, 590-595.	0.7	191
445	Dielectric behaviors and phase separation in Pb(Ni1/2W1/2)O3â€"PbTiO3. Ceramics International, 2004, 30, 1361-1364.	2.3	3
446	Raman scattering investigation of aGe/SiO2/Sinanocrystal system under hydrostatic pressure. Physical Review B, 2004, 69, .	1.1	13
447	High-coercivity Co-ferrite thin films on (100)-SiO2 substrate. Applied Physics Letters, 2004, 84, 2596-2598.	1.5	135
448	Carbon nanowalls and related materials. Journal of Materials Chemistry, 2004, 14, 469.	6.7	275
449	Bandwidth enhancement in difference frequency generation by domain-shifted quasi-phase-matching structure. , 2004, , .		0
450	Near-field scanning Raman microscopy using apertureless probes. Journal of Raman Spectroscopy, 2003, 34, 668-676.	1.2	46

#	Article	IF	Citations
451	A C-band ultra-low-power consumption HMIC amplifier for intelligent transportation system applications. Microwave and Optical Technology Letters, 2003, 36, 112-115.	0.9	0
452	A two-step calibration technique for measuringS-parameters of transitional structures. Microwave and Optical Technology Letters, 2003, 37, 132-135.	0.9	1
453	A new probe-excited dual-mode cavity filter. Microwave and Optical Technology Letters, 2003, 38, 335-337.	0.9	1
454	A C-band injection-locked balanced oscillator for direct-conversion QPSK modulation applications. Microwave and Optical Technology Letters, 2003, 38, 378-381.	0.9	0
455	Laser Pruning of Carbon Nanotubes as a Route to Static and Movable Structures. Advanced Materials, 2003, 15, 300-303.	11.1	87
456	Surface-enhanced Raman of Z-vibration mode in single-walled and multi-walled carbon nanotube. Chemical Physics Letters, 2003, 372, 497-502.	1.2	17
457	Effects of first rapid thermal annealing temperature on Co silicide formation. Solid-State Electronics, 2003, 47, 1249-1253.	0.8	4
458	Apertureless near-field scanning Raman microscopy using reflection scattering geometry. Ultramicroscopy, 2003, 94, 237-244.	0.8	57
459	Grain boundary effects on the magneto-transport properties of Sr2FeMoO6 induced by variation of the ambient H2â€“Ar mixture ratio during annealing. Physica B: Condensed Matter, 2003, 334, 408-412.	1.3	19
460	Unique Dielectric Behavior of 0.6Pb(Ni_{1/2}W_{1/2})O₃Â·0.4PbTiO₃ Derived from Mechanical Activation. Journal of the American Ceramic Society, 2003, 86, 791-794.	1.9	2
461	Effects of hydrostatic pressure on Raman scattering in Ge quantum dot superlattices. Thin Solid Films, 2003, 424, 23-27.	0.8	1
462	Structural and electronic properties ofh-BN. Physical Review B, 2003, 68, .	1.1	455
463	Size effect on the ferroelectric phase transition in SrBi2Ta2O9 nanoparticles. Journal of Applied Physics, 2003, 94, 618-620.	1.1	77
464	Optimizing the near field around silver tips. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 2254.	0.8	26
465	Two-dimensional structures of ferroelectric domain inversion in LiNbO3 by direct electron beam lithography. Journal of Applied Physics, 2003, 93, 9943-9946.	1.1	83
466	A submicron PHEMT nonlinear model suitable for RFID low current amplifier design. International Journal of Electronics, 2003, 90, 433-443.	0.9	6
467	Fabrication of Two-dimensional Nonlinear Photonic Crystal by Electron Beam Lithography. Materials Research Society Symposia Proceedings, 2003, 797, 105.	0.1	0
468	SpinÂphonon coupling in rod-shaped half-metallic CrO2ultrafine particles: a magnetic Raman scattering study. Journal of Physics Condensed Matter, 2003, 15, L213-L217.	0.7	8

#	Article	IF	Citations
469	Phase control of chromium oxide in selective microregions by laser annealing. Journal of Applied Physics, 2003, 93, 3951-3953.	1.1	28
470	Raman scattering of germanium nanocrystals embedded in glass matrix under hydrostatic pressure. Journal of Applied Physics, 2003, 93, 9392-9394.	1.1	9
471	B-site disordering in Pb(Sc1/2Ta1/2)O3 by mechanical activation. Applied Physics Letters, 2003, 82, 4773-4775.	1.5	21
472	Effects of mechanical activation on the formation of PbTiO3 from amorphous Pbâ€"Tiâ€"O precursor. Journal of Applied Physics, 2003, 93, 3470-3474.	1.1	14
473	Size-Dependence of Nonlinearity in Metal: Dielectric Composite System Induced by Local Field Enhancement. Journal of Nonlinear Optical Physics and Materials, 2003, 12, 149-155.	1.1	7
474	Conductance and phase transition of freestanding ZnO nanocrystals under high pressure. Materials Science and Technology, 2003, 19, 981-984.	0.8	20
475	Applications of micro-Raman spectroscopy in salicide characterization for Si device fabrication. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 862.	1.6	26
476	Finline technology for millimeter-wave MEMS. , 2003, 5116, 523.		0
477	Electronic and vibronic properties of Mg-doped GaN: The influence of etching and annealing. Journal of Applied Physics, 2002, 91, 3398-3407.	1.1	31
478	Structural study of refractory-metal-free C40 TiSi2 and its transformation to C54 TiSi2. Applied Physics Letters, 2002, 80, 2266-2268.	1.5	19
479	Preparation of cantilevered W tips for atomic force microscopy and apertureless near-field scanning optical microscopy. Review of Scientific Instruments, 2002, 73, 2942-2947.	0.6	27
480	Pressure-induced resonant Raman scattering in Ge/Si islands. Applied Physics Letters, 2002, 80, 2919-2921.	1.5	10
481	NICKEL SILICIDATION ON POLYCRYSTALLINE SILICON GERMANIUM FILMS. International Journal of Modern Physics B, 2002, 16, 4323-4326.	1.0	0
482	Magnetic polaron conduction above the Curie temperature in Fe-doped Pr0.75Sr0.25MnO3. Journal of Physics Condensed Matter, 2002, 14, L141-L147.	0.7	8
483	Excimer Laser-Induced Ti Silicidation to Eliminate the Fine-Line Effect for Integrated Circuit Device Fabrication. Journal of the Electrochemical Society, 2002, 149, G609.	1.3	8
484	Thickness Effect on Nickel Silicide Formation and Thermal Stability for Ultra Shallow Junction CMOS. Materials Research Society Symposia Proceedings, 2002, 716, 181.	0.1	1
485	Synthesis of pure C40 TiSi 2 for Si wafer fabrication. , 2002, 4426, 272.		0
486	Size and dielectric dependence of off-resonant nonlinearity in Au: dielectric nanocomposite system. , 2002, , .		0

#	Article	IF	Citations
487	Size and dielectric dependence of the third-order nonlinear optical response of Au nanocrystals embedded in matrices. Optics Letters, 2002, 27, 1043.	1.7	49
488	Raman Microspectroscopy of Normal Erythrocytes and Plasmodium Berghei -Infected Erythrocytes. Applied Spectroscopy, 2002, 56, 1126-1131.	1.2	16
489	Electrochemical Synthesis and Characterization of Magnetic Nanoparticles on Carbon Nanowall Templates. Nano Letters, 2002, 2, 751-754.	4.5	73
490	Cation migration and magnetic ordering in spinel CoFe2O4powder: micro-Raman scattering study. Journal of Physics Condensed Matter, 2002, 14, L613-L618.	0.7	110
491	Hybrid finite-element-modal-expansion method for matched magic T-junction. IEEE Transactions on Magnetics, 2002, 38, 385-388.	1.2	15
492	NiFe2O4 nanoparticles formed in situ in silica matrix by mechanical activation. Journal of Applied Physics, 2002, 91, 6015-6020.	1.1	165
493	Mechanical activation-induced B site orderâ€“disorder transition in perovskite Pb(Mg1/3Nb2/3)O3â€“Pb(Mg1/2W1/2)O3. Materials Chemistry and Physics, 2002, 75, 211-215.	2.0	5
494	Nanocrystalline PbTiO3 powders from an amorphous Pbâ€“Tiâ€“O precursor by mechanical activation. Materials Chemistry and Physics, 2002, 75, 216-219.	2.0	13
495	Superconductivity of MgB2 after Mechanical Milling. Physica Status Solidi A, 2002, 191, 548-554.	1.7	11
496	Carbon Nanowalls Grown by Microwave Plasma Enhanced Chemical Vapor Deposition. Advanced Materials, 2002, 14, 64-67.	11.1	496
497	Fabrication of a Class of Nanostructured Materials Using Carbon Nanowalls as the Templates. Advanced Functional Materials, 2002, 12, 489.	7.8	76
498	Lower bound estimation of hardware resources for scheduling in high-level synthesis. Journal of Computer Science and Technology, 2002, 17, 718-730.	0.9	5
499	Size-dependent excited state properties of CdS nanocrystals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 299, 581-585.	0.9	44
500	Sequential Combination of Constituent Oxides in the Synthesis of Pb(Fe_{1/2}Nb_{1/2})O₃by Mechanical Activation. Journal of the American Ceramic Society, 2002, 85, 565-572.	1.9	28
501	Bâ€Site Orderâ€“Disorder Transition in Pb(Mg_{1/3}Nb_{2/3})O₃â€“Pb(Mg_{1/2}W_{1/2})O₃ Triggered by Mechanical Activation. Journal of the American Ceramic Society, 2002, 85, 833-838.	1.9	14
502	Effects of hydrostatic pressure on Raman scattering in Ge quantum dots. Physical Review B, 2001, 63, .	1.1	13
503	High-Temperature Properties of a Low Dielectric Constant Organic Spin-on Glass for Multilevel Interconnects. Applied Spectroscopy, 2001, 55, 1347-1351.	1.2	27
504	Raman scattering of Ge/Si dot superlattices under hydrostatic pressure. Physical Review B, 2001, 64, .	1.1	21

#	Article	IF	Citations
505	Photoluminescence and structural characteristics of CdS nanoclusters synthesized by hydrothermal microemulsion. Journal of Applied Physics, 2001, 89, 1059-1063.	1.1	93
506	Laser-induced titanium disilicide formation for submicron technologies. Journal of Electronic Materials, 2001, 30, 1549-1553.	1.0	5
507	Elimination of O2 plasma damage of low-k methyl silsesquioxane film by As implantation. Thin Solid Films, 2001, 397, 90-94.	0.8	18
508	Raman scattering study of a GaAsN epitaxial layer. Materials Science in Semiconductor Processing, 2001, 4, 581-584.	1.9	8
509	Pressure dependence of photoluminescence of ZnTe/Zn1?xCdxTe strained-layer superlattice. Journal of Raman Spectroscopy, 2001, 32, 847-851.	1.2	2
510	Controlled growth of single-walled carbon nanotubes by catalytic decomposition of CH4 over Mo/Co/MgO catalysts. Chemical Physics Letters, 2001, 350, 19-26.	1.2	165
511	Enhancement Effect of C40 TiSi[sub 2] on the C54 Phase Formation. Journal of the Electrochemical Society, 2001, 148, G734.	1.3	6
512	Identification of refractory-metal-free C40 TiSi2 for low temperature C54 TiSi2 formation. Applied Physics Letters, 2001, 78, 3989-3991.	1.5	13
513	A high temperature Raman study of Eu1?x Kx TiO3 prepared under high pressure and high temperature. Journal of Raman Spectroscopy, 2000, 31, 391-394.	1.2	3
514	Strong uni-directional anisotropy in disordered NiFe2O4. Solid State Communications, 2000, 115, 237-241.	0.9	41
515	Raman study of laser irradiation effects on YBa2Cu3O7-xthin films. Superconductor Science and Technology, 2000, 13, 1017-1022.	1.8	3
516	Compositional mapping of the argonâ€“methaneâ€“hydrogen system for polycrystalline to nanocrystalline diamond film growth in a hot-filament chemical vapor deposition system. Applied Physics Letters, 2000, 77, 2692-2694.	1.5	87
517	Synthesis and characterization of pure C40 TiSi2. Applied Physics Letters, 2000, 77, 4395-4397.	1.5	22
518	Raman and magnetization studies of barium ferrite powder prepared by water-in-oil microemulsion. Journal of Materials Research, 2000, 15, 483-487.	1.2	41
519	Microscopic Probing of Raman Scattering and Photoluminescence on C-Al Ion Co-Implanted 6H-SiC. Materials Science Forum, 2000, 338-342, 659-662.	0.3	0
520	Thermal Cure Study of a Low-k Methyl Silsesquioxane for Intermetal Dielectric Application by FT-IR Spectroscopy. Applied Spectroscopy, 2000, 54, 209-213.	1.2	61
521	Temperature dependence of Raman scattering in hexagonal gallium nitride films. Journal of Applied Physics, 2000, 87, 3332-3337.	1.1	109
522	The effects of mechanical activation in synthesizing ultrafine barium ferrite powders from co-precipitated precursors. Journal of Materials Chemistry, 2000, 10, 1745-1749.	6.7	26

#	Article	IF	Citations
523	Stress effect on Raman spectra of Ce-doped BaTiO3films. Journal of Physics Condensed Matter, 2000, 12, 7013-7023.	0.7	49
524	High resolution transmission electron microscopy study of the initial growth of diamond on silicon. Diamond and Related Materials, 2000, 9, 1703-1707.	1.8	9
525	Functional area lower bound and upper bound on multicomponent selection for interval scheduling. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2000, 19, 745-759.	1.9	3
526	The distribution of Ag in Ag-doped YBa2Cu3O7-deltathin film prepared by dual-beam pulsed-laser deposition. Superconductor Science and Technology, 1999, 12, 388-393.	1.8	4
527	Micro-Raman studies of substrate temperature effects on pulsed laser deposition fabricated YBa2Cu3O7-xepitaxial thin films. Superconductor Science and Technology, 1999, 12, 523-528.	1.8	4
528	Effects of ramp-up rates on the salicide process. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1999, 17, 2239.	1.6	2
529	Influence of cooling rate on the phase transitions of ferroelectric liquid crystals, MBOPDOB and MBOPDoOB. Liquid Crystals, 1999, 26, 63-67.	0.9	3
530	Synthesis and Raman Spectra of Cupric Oxide Quantum Dots. Materials Research Society Symposia Proceedings, 1999, 571, 229.	0.1	2
531	Laser-induced direct formation of C54 TiSi2 films with fine grains on c-Si substrates. Applied Physics Letters, 1999, 75, 1727-1729.	1.5	15
532	Micro-Raman study of ultra-thin YBa2Cu3O7â˜Î´/YSZ films. Physica C: Superconductivity and Its Applications, 1999, 315, 117-123.	0.6	5
533	Processing and characterising photo-sensitive polymer in the rapid prototyping process. Journal of Materials Processing Technology, 1999, 89-90, 211-217.	3.1	47
534	Characterization of Ge nanocrystals in a-SiO2 synthesized by rapid thermal annealing. Applied Surface Science, 1999, 144-145, 697-701.	3.1	26
535	Ultrafine Barium Titanate Powders via Microemulsion Processing Routes. Journal of the American Ceramic Society, 1999, 82, 873-881.	1.9	55
536	Luminescence due to the indirect band-gap transition activated by the inter-valence transition of Se clusters confined in 13X zeolite. Chemical Physics Letters, 1999, 300, 504-508.	1.2	11
537	Preparation and Characterization of CuO Nanocrystals. Journal of Solid State Chemistry, 1999, 147, 516-519.	1.4	379
538	Raman microspectroscopy of the brain tissues in the substantia nigra and MPTP-induced Parkinson's disease. Journal of Raman Spectroscopy, 1999, 30, 91-96.	1.2	28
539	Raman spectra of CuO nanocrystals. Journal of Raman Spectroscopy, 1999, 30, 413-415.	1.2	539
540	Raman scattering and transverse effective charge of MOCVD-grown GaN films between 78 and 870 K. Surface and Interface Analysis, 1999, 28, 173-176.	0.8	2

#	Article	IF	Citations
541	Laser-induced formation of titanium silicides. Surface and Interface Analysis, 1999, 28, 200-203.	0.8	4
542	Characterization of a low-k organic spin-on-glass as an intermetal dielectric. Surface and Interface Analysis, 1999, 28, 97-100.	0.8	4
543	Curing characteristics of acrylic photopolymer used in stereolithography process. Rapid Prototyping Journal, 1999, 5, 27-34.	1.6	56
544	Raman characterization of germanium nanocrystals in amorphous silicon oxide films synthesized by rapid thermal annealing. Journal of Applied Physics, 1999, 86, 1398-1403.	1.1	95
545	Near infrared excited micro-Raman spectra of 4:1 methanolâ€"ethanol mixture and ruby fluorescence at high pressure. Journal of Applied Physics, 1999, 85, 8011-8017.	1.1	33
546	Micro-Raman Spectroscopy Investigation of Nickel Silicides and Nickel (Platinum) Silicides. Electrochemical and Solid-State Letters, 1999, 3, 153.	2.2	67
547	Resonance Raman Microspectroscopy of Normal Erythrocytes and Plasmodium Berghei-Infected Erythrocytes. Applied Spectroscopy, 1999, 53, 1097-1101.	1.2	34
548	Polymorphism in the solid phase of FLC MBOPDoOB induced by rapid cooling. Ferroelectrics, 1999, 230, 43-48.	0.3	0
549	Raman Shift and Broadening in Stress-Minimized Ge Nanocrystals in Silicon Oxide Matrix. Materials Research Society Symposia Proceedings, 1999, 581, 597.	0.1	2
550	Characterization of titanium silicide by Raman spectroscopy for submicron IC processing. Microelectronic Engineering, 1998, 43-44, 611-617.	1.1	14
551	Raman scattering investigations of the antiferroelectric-ferroelectric phase transition of NaNbO3. Journal of Raman Spectroscopy, 1998, 29, 379-384.	1.2	104
552	Raman studies of Ag2OÂ·WO3Â·TeO2 ternary glasses. Journal of Raman Spectroscopy, 1998, 29, 819-823.	1.2	16
553	Laser-assisted growth of diamond particulates on a silicon surface from a cyclohexane liquid. Applied Physics A: Materials Science and Processing, 1998, 66, 543-547.	1.1	36
554	(Sr1â^'xCax)3Ru2O7 system: optical and ARPES results. Journal of Physics and Chemistry of Solids, 1998, 59, 1907-1911.	1.9	6
555	Vibrational Spectroscopic Analysis of Ferroelectric Liquid Crystal MBOPDOB. Applied Spectroscopy, 1998, 52, 847-850.	1.2	4
556	FT-IR Study of the Imidization Process of Photosensitive Polyimide PMDA/ODA. Applied Spectroscopy, 1998, 52, 985-989.	1.2	48
557	Dominant Role of a Pseudogap in the Physics of the Colossal Magnetoresistive Oxides. International Journal of Modern Physics B, 1998, 12, 3389-3392.	1.0	5
558	Micro-Raman and photoluminescence investigation of ZnxCd1â^'xSe thin film under high pressure. Journal of Applied Physics, 1998, 84, 5198-5201.	1.1	10

#	Article	IF	Citations
559	Correlation and electron-phonon effects in the valence-band photoemission spectra of single-phaseK3C60films. Physical Review B, 1998, 58, 11023-11028.	1.1	14
560	<title>Raman and photoluminescence investigation of Zn<formula><inf><roman>x</roman></inf></formula>Cd<formula><inf><roman>1-x</roman></inf></formula>Se thin film under high pressure</title>. , 1998, 3424, 126.		0
561	Temperature dependence of the raman scattering spectra of Zn/ZnO nanoparticles. Journal of Raman Spectroscopy, 1998, 29, 613-615.	1.2	1
562	Experimental Determination of the key Energy Scales in the Colossal Magnetoresistive Manganites. Materials Research Society Symposia Proceedings, 1997, 494, 181.	0.1	5
563	Low Energy K-Dependent Electronic Structure of the Layered Magnetoresistive Oxide La1.2Sr1.8Mn2O7. Materials Research Society Symposia Proceedings, 1997, 494, 213.	0.1	0
564	Substrate temperature dependence of the texture quality in YBCO thin films fabricated by on-axis pulsed-laser ablation. Superconductor Science and Technology, 1997, 10, 41-46.	1.8	44
565	Crystallization study of heavy metal fluoride glasses ZBLAN by Raman spectroscopy. Journal of Raman Spectroscopy, 1997, 28, 495-499.	1.2	16
566	A Raman study of RbSnBr3. Solid State Communications, 1996, 97, 497-501.	0.9	15
567	High temperature Raman study of phase transitions in antiferroelectric NaNbO3. Journal of Molecular Structure, 1996, 385, 1-6.	1.8	80
568	Complete band-structure determination of the quasi-two-dimensional Fermi-liquid reference compoundTiTe2. Physical Review B, 1996, 54, 2453-2465.	1.1	83
569	Raman spectroscopic studies of Î±-NaVO3, Î²-NaVO3 and NaVO3 Â· 2H2O. Journal of Raman Spectroscopy, 1995, 26, 301-306.	1.2	8
570	Raman spectroscopic study of LiVO3 and LiVO3Â·2H2O. Journal of Molecular Structure, 1995, 354, 29-35.	1.8	19
571	High pressure Raman studies of 7,7,8,8-tetracyanoquinodimethane (TCNQ) and CuTCNQ. Journal of Molecular Structure, 1995, 356, 163-168.	1.8	11
572	Pressure-induced strong mode coupling and phase transitions inKNbO3. Physical Review B, 1995, 52, 3976-3980.	1.1	79
573	High-pressure phase transitions and pressure-induced amorphization in LiVO3. Journal of Physics Condensed Matter, 1995, 7, 939-946.	0.7	7
574	Spectroscopic evidence of pressure-induced amorphization in Î±-NaVO3. Physical Review B, 1994, 49, 1433-1436.	1.1	19
575	Pressure-induced crystalline-amorphous transition in NaVO3 and its recrystallization. Journal of Physics and Chemistry of Solids, 1994, 55, 665-669.	1.9	12
576	High pressure Raman studies of Î²-NaVO3. Journal of Physics and Chemistry of Solids, 1994, 55, 661-664.	1.9	5

#	Article	IF	Citations
577	High pressure phase transition studies of CsSnCl3. Journal of Molecular Structure, 1994, 326, 73-80.	1.8	10
578	High pressure structural phase transitions in CsCdCl3. Journal of Molecular Structure, 1994, 326, 69-72.	1.8	4
579	A high-pressure phase transition of alpha -NaVO3by Raman spectroscopy. Journal of Physics Condensed Matter, 1994, 6, 6565-6571.	0.7	6
580	Fermi surfaces and energy gaps of high-temperature superconductors. , 1994, , .		0
581	The structure of TlNO3 by transmission and reflection IR spectra at low temperature. Journal of Molecular Structure, 1993, 294, 167-170.	1.8	0
582	Alternative structures and alternative structure switch-over under high pressure. Journal of Molecular Structure, 1993, 294, 179-182.	1.8	0
583	Infrared study of phases III, IV and V of NH4NO3. Spectrochimica Acta Part A: Molecular Spectroscopy, 1993, 49, 21-29.	0.1	6
584	High pressure phase transition study of NaNO3 by raman spectroscopy. Journal of Molecular Structure, 1993, 294, 163-166.	1.8	3
585	High Energy Resolution Arpes Measurements of the Normal and Superconducting States of Bi2Sr2CaCu2O8+Î´. Materials Research Society Symposia Proceedings, 1993, 307, 187.	0.1	1
586	The influence of oxygen vacancies on flux pinning in (RE)Ba2Cu3O7- delta. Superconductor Science and Technology, 1992, 5, S165-S168.	1.8	6
587	Transport critical currents, I-V characteristics and magnetisation of Ag-sheathed BiSrCaCuO (2223) tapes. Superconductor Science and Technology, 1992, 5, S169-S171.	1.8	1
588	Transport critical currents, I-V characteristics and magnetisation of YBa2Cu3O7thick films. Superconductor Science and Technology, 1992, 5, S172-S175.	1.8	1
589	Photoemission Study of Single Crystal C60. Materials Research Society Symposia Proceedings, 1992, 270, 235.	0.1	0
590	Structural transformation studies of AgNO3 by Raman and infrared spectroscopy. Journal of Molecular Structure, 1992, 271, 175-181.	1.8	5
591	The assignment of natural abundant IR and Raman isotope bands and crystal field effects in AgNO3. Spectrochimica Acta Part A: Molecular Spectroscopy, 1992, 48, 1317-1322.	0.1	3
592	IR and Raman spectra of AgNO3 at low temperatures. Journal of Raman Spectroscopy, 1992, 23, 509-514.	1.2	8
593	Magnetisation measurements on melt-textured YBa/sub 2/Cu/sub 3/O/sub 7- delta /. IEEE Transactions on Magnetics, 1991, 27, 1503-1505.	1.2	0
594	Non-destructive determination of the current-carrying length scale in superconducting crystals and thin films. Physica C: Superconductivity and Its Applications, 1991, 177, 479-486.	0.6	96

#	Article	IF	Citations
595	Non-destructive measurement of the critical current and the current carrying length scale in superconducting crystals and films. Physica C: Superconductivity and Its Applications, 1991, 185-189, 1931-1932.	0.6	6
596	The influence of oxygen vacancies on flux pinning in (RE)BA2CU3O7â^'Î´. Physica C: Superconductivity and Its Applications, 1991, 185-189, 2159-2160.	0.6	9
597	Anisotropy of the irreversibility field in YBA2CU3O7 single crystals. Physica C: Superconductivity and Its Applications, 1991, 185-189, 2195-2196.	0.6	4
598	Transport critical currents, Iâ€"V characteristics and magnetisation of Ag-sheathed BiSrCaCuO (2223) tapes. Physica C: Superconductivity and Its Applications, 1991, 185-189, 2485-2486.	0.6	0
599	Structural transitions of KNO3 and TlNO3 under high pressure. Journal of Molecular Structure, 1991, 247, 397-402.	1.8	7
600	Magnetisation measurements on melt-textured YBa2Cu3O7- delta. Superconductor Science and Technology, 1991, 4, S238-S240.	1.8	0
601	Dissipation in granular high-temperature superconductors. Physica A: Statistical Mechanics and Its Applications, 1990, 168, 268-276.	1.2	11
602	Are classical weak-link models adequate to explain the currentâ€"voltage characteristics in bulk YBa2Cu3O7?. Nature, 1989, 341, 725-727.	13.7	25
603	On fast exploration of ASIC design space. , 0, , .		0
604	Exploring module selection space for architectural synthesis of low power designs. , 0, , .		8
605	Speedup improvement on general connectivity computation by algorithmic techniques and parallel processing. , 0, , .		1
606	A lower bound on general minimal resource interval scheduling with arbitrary component selection. , 0, , .		0
607	Ultra low power consumption HMIC amplifier for wireless applications at 2.45 GHz. , 0, , .		0
608	Millimeter wave SPDT switch for giga-scale system. , 0, , .		0
609	Millimeter wave control switch for secure giga-scale system. , 0, , .		0
610	Coupled mode analysis of multi-conductor transmission lines including backward coupling. , 0, , .		2
611	Disorder induced bands in first order Raman spectra of carbon nanowalls. , 0, , .		0