

Angela Hight Walker

List of Publications by Year in descending order

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148
papers

7,476
citations

57631

44
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58464

82
g-index

149
all docs

149
docs citations

149
times ranked

12531
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward Clean and Crackless Transfer of Graphene. ACS Nano, 2011, 5, 9144-9153.	7.3	701
2	Thermal Conductivity of Monolayer Molybdenum Disulfide Obtained from Temperature-Dependent Raman Spectroscopy. ACS Nano, 2014, 8, 986-993.	7.3	666
3	High-speed coherent Raman fingerprint imaging of biological tissues. Nature Photonics, 2014, 8, 627-634.	15.6	358
4	Surface-enhanced Raman scattering spectroscopy via gold nanostars. Journal of Raman Spectroscopy, 2009, 40, 86-91.	1.2	261
5	Isolation of Specific Small-Diameter Single-Wall Carbon Nanotube Species via Aqueous Two-Phase Extraction. Advanced Materials, 2014, 26, 2800-2804.	11.1	215
6	The joint automated repository for various integrated simulations (JARVIS) for data-driven materials design. Npj Computational Materials, 2020, 6, .	3.5	181
7	Glucose Oxidase-Catalyzed Growth of Gold Nanoparticles Enables Quantitative Detection of Attomolar Cancer Biomarkers. Analytical Chemistry, 2014, 86, 5800-5806.	3.2	160
8	Gold Nanoparticle-Based Activatable Probe for Sensing Ultralow Levels of Prostate-Specific Antigen. ACS Nano, 2013, 7, 5568-5576.	7.3	154
9	Length-Dependent Optical Effects in Single-Wall Carbon Nanotubes. Journal of the American Chemical Society, 2007, 129, 10607-10612.	6.6	138
10	Isolation of >1 nm Diameter Single-Wall Carbon Nanotube Species Using Aqueous Two-Phase Extraction. ACS Nano, 2015, 9, 5377-5390.	7.3	137
11	Origin of the exceptional negative thermal expansion in metal-organic framework-5 $\text{Zn}_4\text{O}(\text{OH})_4(\text{B}_6\text{O}_{10})_2$ Physical Review B, 2008, 78, .	1.1	128
12	Acetylcholinesterase-Catalyzed Hydrolysis Allows Ultrasensitive Detection of Pathogens with the Naked Eye. Angewandte Chemie - International Edition, 2013, 52, 14065-14069.	7.2	123
13	Magnetic-Field-Induced Assemblies of Cobalt Nanoparticles. Langmuir, 2005, 21, 12055-12059.	1.6	122
14	Evolution of microscopic localization in graphene in a magnetic field from scattering resonances to quantum dots. Nature Physics, 2011, 7, 245-251.	6.5	122
15	Particle size distributions by transmission electron microscopy: an interlaboratory comparison case study. Metrologia, 2013, 50, 663-678.	0.6	118
16	Ultraviolet/ozone treatment to reduce metal-graphene contact resistance. Applied Physics Letters, 2013, 102, .	1.5	112
17	Metal to Insulator Quantum-Phase Transition in Few-Layered ReS ₂ . Nano Letters, 2015, 15, 8377-8384.	4.5	101
18	High-Resolution Terahertz Spectroscopy of Crystalline Trialanine: Extreme Sensitivity to \hat{I}^2 -Sheet Structure and Cocrystallized Water. Journal of the American Chemical Society, 2006, 128, 5764-5775.	6.6	98

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19	Influence of Metal-MoS ₂ Interface on MoS ₂ Transistor Performance: Comparison of Ag and Ti Contacts. ACS Applied Materials & Interfaces, 2015, 7, 1180-1187.	4.0	97
20	Controllable, Wide-Ranging n-Doping and p-Doping of Monolayer Group 6 Transition-Metal Disulfides and Diselenides. Advanced Materials, 2018, 30, e1802991.	11.1	97
21	Comparative Measures of Single-Wall Carbon Nanotube Dispersion. Journal of Physical Chemistry B, 2006, 110, 23801-23805.	1.2	90
22	Redox Sorting of Carbon Nanotubes. Nano Letters, 2015, 15, 1642-1646.	4.5	85
23	Analyzing Surfactant Structures on Length and Chirality Resolved (6,5) Single-Wall Carbon Nanotubes by Analytical Ultracentrifugation. ACS Nano, 2013, 7, 3373-3387.	7.3	82
24	Centrifugal Length Separation of Carbon Nanotubes. Langmuir, 2008, 24, 13880-13889.	1.6	81
25	Monodisperse Gold-Copper Bimetallic Nanocubes: Facile One-Step Synthesis with Controllable Size and Composition. Angewandte Chemie - International Edition, 2010, 49, 6781-6785.	7.2	78
26	Evolution of DNA Sequences Toward Recognition of Metallic Armchair Carbon Nanotubes. Journal of the American Chemical Society, 2011, 133, 12998-13001.	6.6	77
27	Dielectric Response of Aligned Semiconducting Single-Wall Nanotubes. Physical Review Letters, 2007, 98, 147402.	2.9	74
28	Transmission electron microscopy characterization of colloidal copper nanoparticles and their chemical reactivity. Analytical and Bioanalytical Chemistry, 2010, 396, 1057-1069.	1.9	72
29	Experimental studies of peptide bonds: Identification of the C7eq conformation of the alanine dipeptide analog N-acetyl-alanine N ^ε -methylamide from torsion-rotation interactions. Journal of Chemical Physics, 2003, 118, 1253-1265.	1.2	70
30	Targeted Therapeutic Nanotubes Influence the Viscoelasticity of Cancer Cells to Overcome Drug Resistance. ACS Nano, 2014, 8, 4177-4189.	7.3	68
31	Broadband optical properties of graphene by spectroscopic ellipsometry. Carbon, 2016, 99, 348-353.	5.4	66
32	Intricate Resonant Raman Response in Anisotropic ReS ₂ . Nano Letters, 2017, 17, 5897-5907.	4.5	66
33	Separation of Empty and Water-Filled Single-Wall Carbon Nanotubes. ACS Nano, 2011, 5, 3943-3953.	7.3	65
34	Determination of the structure of HBr OCS. Journal of Chemical Physics, 1995, 102, 7298-7305.	1.2	62
35	High-throughput density functional perturbation theory and machine learning predictions of infrared, piezoelectric, and dielectric responses. Npj Computational Materials, 2020, 6, .	3.5	60
36	Multicomponent Chemical Imaging of Pharmaceutical Solid Dosage Forms with Broadband CARS Microscopy. Analytical Chemistry, 2013, 85, 8102-8111.	3.2	59

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37	Distinct magneto-Raman signatures of spin-flip phase transitions in CrI ₃ . Nature Communications, 2020, 11, 3879.	5.8	59
38	Epitaxial graphene homogeneity and quantum Hall effect in millimeter-scale devices. Carbon, 2017, 115, 229-236.	5.4	57
39	Fundamental optical processes in armchair carbon nanotubes. Nanoscale, 2013, 5, 1411.	2.8	56
40	Quasi-two-dimensional magnon identification in antiferromagnetic FeP ₃ via magneto-Raman spectroscopy. Physical Review B, 2020, 101, .	1.1	53
41	<i>Trans</i> -Rich Structures in Early Stage Crystallization of Polyethylene. Macromolecules, 2015, 48, 4555-4561.	2.2	52
42	Synthesis and characterization of cobalt/gold bimetallic nanoparticles. Journal of Magnetism and Magnetic Materials, 2007, 311, 31-35.	1.0	51
43	High-Resolution Length Fractionation of Surfactant-Dispersed Carbon Nanotubes. Analytical Chemistry, 2013, 85, 1382-1388.	3.2	51
44	Enhancing single-wall carbon nanotube properties through controlled endohedral filling. Nanoscale Horizons, 2016, 1, 317-324.	4.1	50
45	Intensity Ratio of Resonant Raman Modes for (<i>n</i> , <i>m</i>) Enriched Semiconducting Carbon Nanotubes. ACS Nano, 2016, 10, 5252-5259.	7.3	48
46	Comparative study of multiwall carbon nanotube nanocomposites by Raman, SEM, and XPS measurement techniques. Composites Science and Technology, 2021, 208, 108753.	3.8	47
47	Rotational Spectra, Structure, and Electric Dipole Moments of Methyl and Ethyltert-Butyl Ether (MTBE and ETBE). Journal of Molecular Spectroscopy, 1997, 181, 67-77.	0.4	44
48	A highly practical route for large-area, single layer graphene from liquid carbon sources such as benzene and methanol. Journal of Materials Chemistry, 2011, 21, 16057.	6.7	44
49	Carbon Nanotubes: Measuring Dispersion and Length. Advanced Materials, 2011, 23, 338-348.	11.1	44
50	The rheo-Raman microscope: Simultaneous chemical, conformational, mechanical, and microstructural measures of soft materials. Review of Scientific Instruments, 2016, 87, 105105.	0.6	43
51	Rotational Spectrum of Sarin. Journal of Molecular Spectroscopy, 2001, 207, 77-82.	0.4	42
52	Lightweight, Flexible, High-Performance Carbon Nanotube Cables Made by Scalable Flow Coating. ACS Applied Materials & Interfaces, 2016, 8, 4903-4910.	4.0	38
53	Gateless and reversible Carrier density tunability in epitaxial graphene devices functionalized with chromium tricarbonyl. Carbon, 2019, 142, 468-474.	5.4	37
54	Sample preparation protocols for realization of reproducible characterization of single-wall carbon nanotubes. Metrologia, 2009, 46, 682-692.	0.6	36

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55	Confocal laser scanning microscopy for rapid optical characterization of graphene. Communications Physics, 2018, 1, .	2.0	36
56	Spontaneous coherent microwave emission and the sawtooth instability in a compact storage ring. Physical Review Special Topics: Accelerators and Beams, 2001, 4, .	1.8	35
57	Magnon-phonon hybridization in 2D antiferromagnet MnPSe $\times 3$. Science Advances, 2021, 7, eabj3106.	4.7	35
58	Electrical Stabilization of Surface Resistivity in Epitaxial Graphene Systems by Amorphous Boron Nitride Encapsulation. ACS Omega, 2017, 2, 2326-2332.	1.6	34
59	Effects of chloride concentration, immersion time and steel composition on the spinel phase formation. Materials Chemistry and Physics, 2009, 117, 214-223.	2.0	33
60	Highly reproducible and reliable metal/graphene contact by ultraviolet-ozone treatment. Journal of Applied Physics, 2014, 115, .	1.1	33
61	Short-range charge density wave order in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle \text{H} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{a}^{\prime} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. Physical Review B, 2019, 99, .	1.1	33
62	Rotational spectra of methyl ethyl and methyl propyl nitrosamines. Conformational assignment, internal rotation and quadrupole coupling. Journal of Molecular Structure, 1995, 346, 187-195.	1.8	32
63	Conformational analysis of the jet-cooled peptide mimetic ethylacetamidoacetate from torsion-rotation spectra. Journal of Chemical Physics, 2003, 119, 5497-5504.	1.2	32
64	Preferential Outward Diffusion of Cu during Unconventional Galvanic Replacement Reactions between HAuCl ₄ and Surface-Limited Cu Nanocrystals. ACS Nano, 2011, 5, 6843-6854.	7.3	30
65	Preservation of Surface Conductivity and Dielectric Loss Tangent in Large-Scale, Encapsulated Epitaxial Graphene Measured by Noncontact Microwave Cavity Perturbations. Small, 2017, 13, 1700452.	5.2	29
66	Phonon origin and lattice evolution in charge density wave states. Physical Review B, 2019, 99, .	1.1	27
67	Gold nanostar @ iron oxide core-shell nanostructures: synthesis, characterization, and demonstrated surface-enhanced Raman scattering properties. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	26
68	The effect of dispersant on defects in length-separated single-wall carbon nanotubes measured by Raman spectroscopy. Carbon, 2009, 47, 3238-3241.	5.4	25
69	Detecting carbon in carbon: Exploiting differential charging to obtain information on the chemical identity and spatial location of carbon nanotube aggregates in composites by imaging X-ray photoelectron spectroscopy. Carbon, 2016, 96, 1208-1216.	5.4	25
70	Contacts to solution-synthesized SnS nanoribbons: dependence of barrier height on metal work function. Nanoscale, 2018, 10, 319-327.	2.8	25
71	Facile One-Pot Synthesis of Metal-Semiconductor Hybrid Nanocrystals via Chemical Transformation: The Case of Cu ²⁺ /Cu ⁺ Heterodimers and Hetero-Oligomers. Journal of Physical Chemistry C, 2010, 114, 4264-4271.	1.5	24
72	State of the art Raman techniques for biological applications. Methods, 2014, 68, 338-347.	1.9	24

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73	Asymmetric excitation profiles in the resonance Raman response of armchair carbon nanotubes. <i>Physical Review B</i> , 2015, 91, .	1.1	24
74	Measuring the dielectric and optical response of millimeter-scale amorphous and hexagonal boron nitride films grown on epitaxial graphene. <i>2D Materials</i> , 2018, 5, 011011.	2.0	24
75	Polarization-resolved Raman spectroscopy of \pm and evidence of room-temperature two-dimensional magnetic scattering. <i>Physical Review B</i> , 2019, 100, .		
76	Rotational Spectra of $\text{CH}_3\text{CCH}=\text{NH}_3$, $\text{NCCCH}=\text{NH}_3$, and $\text{NCCCH}=\text{OH}_2$. <i>Journal of Molecular Spectroscopy</i> , 1996, 179, 85-93.	0.4	23
77	Field effects of current crowding in metal-MoS ₂ contacts. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	23
78	Toward clean suspended CVD graphene. <i>RSC Advances</i> , 2016, 6, 83954-83962.	1.7	22
79	Correlating anisotropic mobility and intermolecular phonons in organic semiconductors to investigate transient localization. <i>Communications Physics</i> , 2019, 2, .	2.0	22
80	Metal-catalyzed etching of graphene governed by metal-carbon interactions: A comparison of Fe and Cu. <i>Carbon</i> , 2015, 81, 678-687.	5.4	21
81	Examining epitaxial graphene surface conductivity and quantum Hall device stability with Parylene passivation. <i>Microelectronic Engineering</i> , 2018, 194, 51-55.	1.1	21
82	Method for measuring the Raman gain tensor in optical fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 621.	0.9	20
83	Influence of the Colloidal Environment on the Magnetic Behavior of Cobalt Nanoparticles. <i>Langmuir</i> , 2007, 23, 11740-11746.	1.6	20
84	Rotational spectra of the diastereomers of Soman. <i>Journal of Molecular Spectroscopy</i> , 2004, 224, 176-184.	0.4	19
85	Contact and Noncontact Measurement of Electronic Transport in Individual 2D SnS Colloidal Semiconductor Nanocrystals. <i>ACS Nano</i> , 2018, 12, 10045-10060.	7.3	19
86	Phase Modulators Based on High Mobility Ambipolar ReSe ₂ Field-Effect Transistors. <i>Scientific Reports</i> , 2018, 8, 12745.	1.6	19
87	Atypical quantized resistances in millimeter-scale epitaxial graphene p-n junctions. <i>Carbon</i> , 2019, 154, 230-237.	5.4	19
88	The importance of international standards for the graphene community. <i>Nature Reviews Physics</i> , 2021, 3, 233-235.	11.9	19
89	Determination of the structure of HBr DBr. <i>Journal of Chemical Physics</i> , 1997, 106, 6240-6247.	1.2	18
90	Rotational spectra, conformational structures, and dipole moments of thiodiglycol by jet-cooled FTMW and ab initio calculations. <i>Journal of Molecular Spectroscopy</i> , 2004, 228, 243-250.	0.4	18

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91	Separation and Characterization of Double-Wall Carbon Nanotube Subpopulations. Journal of Physical Chemistry C, 2010, 114, 11343-11351.	1.5	18
92	Carbon scrolls from chemical vapor deposition grown graphene. Carbon, 2014, 76, 257-265.	5.4	18
93	Global Alignment of Solution-Based Single-Wall Carbon Nanotube Films via Machine-Vision Controlled Filtration. Nano Letters, 2019, 19, 7256-7264.	4.5	18
94	Charge Carrier Dynamics and Mobility Determined by Time-Resolved Terahertz Spectroscopy on Films of Nano-to-Micrometer-Sized Colloidal Tin(II) Monosulfide. Journal of Physical Chemistry C, 2016, 120, 15395-15406.	1.5	17
95	Separation of double-wall carbon nanotubes by electronic type and diameter. Nanoscale, 2017, 9, 2531-2540.	2.8	17
96	Raman Identification of Multiple Melting Peaks of Polyethylene. Macromolecules, 2017, 50, 6174-6183.	2.2	17
97	Probing the dielectric response of the interfacial buffer layer in epitaxial graphene via optical spectroscopy. Physical Review B, 2017, 96, .	1.1	17
98	Resonance Raman signature of intertube excitons in compositionally-defined carbon nanotube bundles. Nature Communications, 2018, 9, 637.	5.8	16
99	Raman imaging of surface and sub-surface graphene oxide in fiber reinforced polymer nanocomposites. Carbon, 2019, 143, 793-801.	5.4	16
100	Functionalized, carbon nanotube material for the catalytic degradation of organophosphate nerve agents. Nano Research, 2014, 7, 390-398.	5.8	15
101	Phase-specific Raman analysis of <i>n</i> -alkane melting by moving window two-dimensional correlation spectroscopy. Journal of Raman Spectroscopy, 2016, 47, 1375-1384.	1.2	15
102	Structural Analysis of Soft Multicomponent Nanoparticle Clusters. ACS Nano, 2010, 4, 6982-6988.	7.3	14
103	Raman analysis of bond conformations in the rotator state and premelting of normal alkanes. Soft Matter, 2016, 12, 5002-5010.	1.2	14
104	The structure of O ₃ +CH ₄ and the implications for the O+CH ₄ precursor-initiated reaction. Journal of Chemical Physics, 2000, 113, 2139-2144.	1.2	13
105	Band offset and electron affinity of MBE-grown SnSe ₂ . Applied Physics Letters, 2018, 112, .	1.5	13
106	Fe-catalyzed etching of exfoliated graphite through carbon hydrogenation. Carbon, 2016, 96, 311-315.	5.4	12
107	High-throughput assessment of vacancy formation and surface energies of materials using classical force-fields. Journal of Physics Condensed Matter, 2018, 30, 395901.	0.7	12
108	Continuous-Wave Terahertz Spectroscopy of Plasmas and Biomolecules. International Journal of High Speed Electronics and Systems, 2003, 13, 1287-1306.	0.3	11

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109	Structural properties of iron phases formed on low alloy steels immersed in sodium chloride-rich solutions. <i>Physica B: Condensed Matter</i> , 2009, 404, 1347-1353.	1.3	11
110	Dipolar chains formed by chemically synthesized cobalt nanocubes. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1351-1355.	1.0	11
111	Effects of gamma irradiation for sterilization on aqueous dispersions of length sorted carbon nanotubes. <i>Nano Research</i> , 2011, 4, 393-404.	5.8	11
112	Alkane Encapsulation Induces Strain in Small-Diameter Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11577-11585.	1.5	11
113	Surface Hydride Formation on Cu(111) and Its Decomposition to Form H_2 in Acid Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10936-10941.	2.1	11
114	Multimodal, Nanoscale, Hyperspectral Imaging Demonstrated on Heterostructures of Quantum Dots and DNA-Wrapped Single-Wall Carbon Nanotubes. <i>ACS Nano</i> , 2009, 3, 3769-3775.	7.3	10
115	Rotational spectra, conformational structures and dipole moments of 2-(ethylthio)ethanol by jet-cooled FTMW and ab initio calculations. <i>Journal of Molecular Spectroscopy</i> , 2004, 223, 9-19.	0.4	9
116	Strain-controlled magnetic and optical properties of monolayer H_2 on TaS ₂ . <i>Physical Review Materials</i> , 2019, 3, .	0.9	9
117	New infrared beamline at the NIST SURF II storage ring. , 1997, , .		8
118	Probing the Growth and Aging of Colloidal Cobalt Nanocrystals: A Combined Study by Transmission Electron Microscopy and Magnetic Measurements. <i>Crystal Growth and Design</i> , 2009, 9, 3714-3720.	1.4	7
119	International interlaboratory comparison of Raman spectroscopic analysis of CVD-grown graphene. <i>2D Materials</i> , 2022, 9, 035010.	2.0	7
120	Complete Structure of Gauche 1,1,2,2-Tetrafluoroethane Determined by Microwave Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 9489-9493.	1.1	6
121	Comparing polarized Raman spectroscopy and birefringence as probes of molecular scale alignment in 3D printed thermoplastics. <i>MRS Communications</i> , 2021, 11, 157-167.	0.8	6
122	Microwave determination of the structure of the Cs conformation of dipropyl ether. <i>The Journal of Physical Chemistry</i> , 1993, 97, 6979-6982.	2.9	5
123	Infrared and Microwave Molecular-Beam Studies of N ₂ O ₅ . <i>Journal of Molecular Spectroscopy</i> , 1997, 184, 172-176.	0.4	5
124	Rotational Spectrum, Structure, and Electric Dipole Moment of Bis(difluoromethyl) Ether. <i>Journal of Molecular Spectroscopy</i> , 1998, 192, 441-448.	0.4	5
125	Comparable Enhancement of TERS Signals from WSe ₂ on Chromium and Gold. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8971-8977.	1.5	5
126	Synthesis of Mixed-Valent Lanthanide Sulfide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23134-23141.	7.2	5

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127	Dependence of Single-Wall Carbon Nanotube Alignment on the Filter Membrane Interface in Slow Vacuum Filtration. <i>Small</i> , 2022, 18, e2105619.	5.2	5
128	Defect Evolution of Ion-Exposed Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2496-2505.	1.5	4
129	Response to <i>ACS Nano</i> Editorial "Standardizing Nanomaterials". <i>ACS Nano</i> , 2020, 14, 14255-14257.	7.3	4
130	Polyoxovanadates as Precursors for the Synthesis of Colloidal Multi-Metal Oxide Nanocrystals. <i>Chemistry of Materials</i> , 0, , .	3.2	4
131	Dynamics of transient hole doping in epitaxial graphene. <i>Physical Review B</i> , 2022, 105, .	1.1	4
132	The Influence of Temperature on the Magnetic Behavior of Colloidal Cobalt Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 2448-2450.	1.2	3
133	Quantum Hall device data monitoring following encapsulating polymer deposition. <i>Data in Brief</i> , 2018, 20, 1201-1208.	0.5	3
134	Dielectric Properties of Nb _x W _{1-x} Se ₂ Alloys. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2019, 124, 1-10.	0.4	3
135	Imaging and measuring the electronic properties of epitaxial graphene with a photoemission electron microscope. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	3
136	<title>Fourier transform microwave spectroscopy of chemical-warfare agents and their synthetic precursors</title>. , 1999, , .		2
137	Potential application of tip-enhanced Raman spectroscopy (TERS) in semiconductor manufacturing. , 2015, , .		2
138	Examining Experimental Raman Mode Behavior in Mono- and Bilayer 2H-TaSe ₂ via Density Functional Theory: Implications for Quantum Information Science. <i>ACS Applied Nano Materials</i> , 2021, 4, 1810-1816.	2.4	2
139	Synthesis, Crystal Structure, and Physical Properties of BaSnS ₂ . <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, .	1.2	2
140	<title>Using Fourier transform microwave spectroscopy to detect hazardous air pollutants</title>. , 1995, , .		1
141	Synthesis of Mixed-Valent Lanthanide Sulfide Nanoparticles. <i>Angewandte Chemie</i> , 2021, 133, 23318.	1.6	1
142	Comparable Enhancement of TERS Signals from WSe on Chromium and Gold. <i>Journal of Physical Chemistry C</i> , 2020, 124, .	1.5	1
143	Computational Methods for Charge Density Waves in 2D Materials. <i>Nanomaterials</i> , 2022, 12, 504.	1.9	1
144	Towards optimization and characterization of dye-embedded gold nanoparticle clusters for multiplexed optical imaging. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0

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145	Low-Frequency Raman Spectroscopy of Trialanine. Biophysical Journal, 2011, 100, 313a-314a.	0.2	0
146	Millimeter-sized graphene quantum hall devices for resistance standards. , 2016, , .		0
147	Towards correlating Raman excitation profile and electron diffraction of the same single carbon nanotube. Annales De Physique, 2007, 32, 131-134.	0.2	0
148	Influence of Dimensionality on the Charge Density Wave Phase of $2\text{H}\delta\text{TaSe}_2$. Advanced Theory and Simulations, 0, , 2100329.	1.3	0