

# Angela Hight Walker

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7843847/publications.pdf>

Version: 2024-02-01

148  
papers

7,476  
citations

57631

44  
h-index

58464

82  
g-index

149  
all docs

149  
docs citations

149  
times ranked

12531  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Computational Methods for Charge Density Waves in 2D Materials. <i>Nanomaterials</i> , 2022, 12, 504.	1.9	1
4	Synthesis, Crystal Structure, and Physical Properties of BaSnS <sub>2</sub> . <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, .	1.2	2
5	International interlaboratory comparison of Raman spectroscopic analysis of CVD-grown graphene. <i>2D Materials</i> , 2022, 9, 035010.	2.0	7
6	Dynamics of transient hole doping in epitaxial graphene. <i>Physical Review B</i> , 2022, 105, .	1.1	4
7	Examining Experimental Raman Mode Behavior in Mono- and Bilayer 2H-TaSe <sub>2</sub> via Density Functional Theory: Implications for Quantum Information Science. <i>ACS Applied Nano Materials</i> , 2021, 4, 1810-1816.	2.4	2
8	The importance of international standards for the graphene community. <i>Nature Reviews Physics</i> , 2021, 3, 233-235.	11.9	19
9	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
10	Comparative study of multiwall carbon nanotube nanocomposites by Raman, SEM, and XPS measurement techniques. <i>Composites Science and Technology</i> , 2021, 208, 108753.	3.8	47
11	Synthesis of Mixed-Valent Lanthanide Sulfide Nanoparticles. <i>Angewandte Chemie</i> , 2021, 133, 23318.	1.6	1
12	Synthesis of Mixed-Valent Lanthanide Sulfide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23134-23141.	7.2	5
13	Magnon-phonon hybridization in 2D antiferromagnet MnPSe <sub>3</sub> . <i>Science Advances</i> , 2021, 7, eabj3106.	4.7	35
14	Surface Hydride Formation on Cu(111) and Its Decomposition to Form H <sub>2</sub> in Acid Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10936-10941.	2.1	11
15	The joint automated repository for various integrated simulations (JARVIS) for data-driven materials design. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	181
16	Distinct magneto-Raman signatures of spin-flip phase transitions in CrI <sub>3</sub> . <i>Nature Communications</i> , 2020, 11, 3879.	5.8	59
17	Response to <i>ACS Nano</i> Editorial "Standardizing Nanomaterials". <i>ACS Nano</i> , 2020, 14, 14255-14257.	7.3	4
18	High-throughput density functional perturbation theory and machine learning predictions of infrared, piezoelectric, and dielectric responses. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	60

#	ARTICLE	IF	CITATIONS
19	Quasi-two-dimensional magnon identification in antiferromagnetic $\text{FeP}$ via magneto-Raman spectroscopy. <i>Physical Review B</i> , 2020, 101, .	1.1	53
20	Comparable Enhancement of TERS Signals from WSe <sub>2</sub> on Chromium and Gold. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8971-8977.	1.5	5
21	Comparable Enhancement of TERS Signals from WSe on Chromium and Gold. <i>Journal of Physical Chemistry C</i> , 2020, 124, .	1.5	1
22	Polarization-resolved Raman spectroscopy of $\text{TaS}_2$ and evidence of room-temperature two-dimensional magnetic scattering. <i>Physical Review B</i> , 2019, 100, .	1.1	24
23	Atypical quantized resistances in millimeter-scale epitaxial graphene p-n junctions. <i>Carbon</i> , 2019, 154, 230-237.	5.4	19
24	Global Alignment of Solution-Based Single-Wall Carbon Nanotube Films via Machine-Vision Controlled Filtration. <i>Nano Letters</i> , 2019, 19, 7256-7264.	4.5	18
25	Short-range charge density wave order in $\text{TaS}_2$ . <i>Physical Review B</i> , 2019, 99, .	1.1	33
26	Phonon origin and lattice evolution in charge density wave states. <i>Physical Review B</i> , 2019, 99, .	1.1	27
27	Correlating anisotropic mobility and intermolecular phonons in organic semiconductors to investigate transient localization. <i>Communications Physics</i> , 2019, 2, .	2.0	22
28	Dielectric Properties of $\text{Nb}_x\text{W}_{1-x}\text{Se}_2$ Alloys. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2019, 124, 1-10.	0.4	3
29	Raman imaging of surface and sub-surface graphene oxide in fiber reinforced polymer nanocomposites. <i>Carbon</i> , 2019, 143, 793-801.	5.4	16
30	Defect Evolution of Ion-Exposed Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2496-2505.	1.5	4
31	Gateless and reversible Carrier density tunability in epitaxial graphene devices functionalized with chromium tricarbonyl. <i>Carbon</i> , 2019, 142, 468-474.	5.4	37
32	Strain-controlled magnetic and optical properties of monolayer $\text{TaS}_2$ . <i>Physical Review Materials</i> , 2019, 3, .	0.9	9
33	Examining epitaxial graphene surface conductivity and quantum Hall device stability with Parylene passivation. <i>Microelectronic Engineering</i> , 2018, 194, 51-55.	1.1	21
34	Resonance Raman signature of intertube excitons in compositionally-defined carbon nanotube bundles. <i>Nature Communications</i> , 2018, 9, 637.	5.8	16
35	Band offset and electron affinity of MBE-grown $\text{SnSe}_2$ . <i>Applied Physics Letters</i> , 2018, 112, .	1.5	13
36	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

#	ARTICLE	IF	CITATIONS
37	Contacts to solution-synthesized SnS nanoribbons: dependence of barrier height on metal work function. <i>Nanoscale</i> , 2018, 10, 319-327.	2.8	25
38	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
39	Confocal laser scanning microscopy for rapid optical characterization of graphene. <i>Communications Physics</i> , 2018, 1, .	2.0	36
40	Quantum Hall device data monitoring following encapsulating polymer deposition. <i>Data in Brief</i> , 2018, 20, 1201-1208.	0.5	3
41	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
42	Phase Modulators Based on High Mobility Ambipolar ReSe <sub>2</sub> Field-Effect Transistors. <i>Scientific Reports</i> , 2018, 8, 12745.	1.6	19
43	Controllable, Wide-Ranging n-Doping and p-Doping of Monolayer Group 6 Transition-Metal Disulfides and Diselenides. <i>Advanced Materials</i> , 2018, 30, e1802991.	11.1	97
44	High-throughput assessment of vacancy formation and surface energies of materials using classical force-fields. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 395901.	0.7	12
45	Separation of double-wall carbon nanotubes by electronic type and diameter. <i>Nanoscale</i> , 2017, 9, 2531-2540.	2.8	17
46	Preservation of Surface Conductivity and Dielectric Loss Tangent in Large-Scale, Encapsulated Epitaxial Graphene Measured by Noncontact Microwave Cavity Perturbations. <i>Small</i> , 2017, 13, 1700452.	5.2	29
47	Electrical Stabilization of Surface Resistivity in Epitaxial Graphene Systems by Amorphous Boron Nitride Encapsulation. <i>ACS Omega</i> , 2017, 2, 2326-2332.	1.6	34
48	Epitaxial graphene homogeneity and quantum Hall effect in millimeter-scale devices. <i>Carbon</i> , 2017, 115, 229-236.	5.4	57
49	Raman Identification of Multiple Melting Peaks of Polyethylene. <i>Macromolecules</i> , 2017, 50, 6174-6183.	2.2	17
50	Intricate Resonant Raman Response in Anisotropic ReS <sub>2</sub> . <i>Nano Letters</i> , 2017, 17, 5897-5907.	4.5	66
51	Probing the dielectric response of the interfacial buffer layer in epitaxial graphene via optical spectroscopy. <i>Physical Review B</i> , 2017, 96, .	1.1	17
52	Millimeter-sized graphene quantum hall devices for resistance standards. , 2016, , .		0
53	The rheo-Raman microscope: Simultaneous chemical, conformational, mechanical, and microstructural measures of soft materials. <i>Review of Scientific Instruments</i> , 2016, 87, 105105.	0.6	43
54	Field effects of current crowding in metal-MoS <sub>2</sub> contacts. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	23

#	ARTICLE	IF	CITATIONS
55	Intensity Ratio of Resonant Raman Modes for (n,m) Enriched Semiconducting Carbon Nanotubes. ACS Nano, 2016, 10, 5252-5259.	7.3	48
56	Phase-specific Raman analysis of alkane melting by moving window two-dimensional correlation spectroscopy. Journal of Raman Spectroscopy, 2016, 47, 1375-1384.	1.2	15
57	Toward clean suspended CVD graphene. RSC Advances, 2016, 6, 83954-83962.	1.7	22
58	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
59	Raman analysis of bond conformations in the rotator state and premelting of normal alkanes. Soft Matter, 2016, 12, 5002-5010.	1.2	14
60	Enhancing single-wall carbon nanotube properties through controlled endohedral filling. Nanoscale Horizons, 2016, 1, 317-324.	4.1	50
61	Lightweight, Flexible, High-Performance Carbon Nanotube Cables Made by Scalable Flow Coating. ACS Applied Materials & Interfaces, 2016, 8, 4903-4910.	4.0	38
62	Broadband optical properties of graphene by spectroscopic ellipsometry. Carbon, 2016, 99, 348-353.	5.4	66
63	Fe-catalyzed etching of exfoliated graphite through carbon hydrogenation. Carbon, 2016, 96, 311-315.	5.4	12
64	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
65	Asymmetric excitation profiles in the resonance Raman response of armchair carbon nanotubes. Physical Review B, 2015, 91, .	1.1	24
66	Trans-Rich Structures in Early Stage Crystallization of Polyethylene. Macromolecules, 2015, 48, 4555-4561.	2.2	52
67	Isolation of >1 nm Diameter Single-Wall Carbon Nanotube Species Using Aqueous Two-Phase Extraction. ACS Nano, 2015, 9, 5377-5390.	7.3	137
68	Potential application of tip-enhanced Raman spectroscopy (TERS) in semiconductor manufacturing. , 2015, , .		2
69	Redox Sorting of Carbon Nanotubes. Nano Letters, 2015, 15, 1642-1646.	4.5	85
70	Metal to Insulator Quantum-Phase Transition in Few-Layered ReS <sub>2</sub> . Nano Letters, 2015, 15, 8377-8384.	4.5	101
71	Influence of Metal-MoS <sub>2</sub> Interface on MoS <sub>2</sub> Transistor Performance: Comparison of Ag and Ti Contacts. ACS Applied Materials & Interfaces, 2015, 7, 1180-1187.	4.0	97
72	Metal-catalyzed etching of graphene governed by metal-carbon interactions: A comparison of Fe and Cu. Carbon, 2015, 81, 678-687.	5.4	21

#	ARTICLE	IF	CITATIONS
73	Highly reproducible and reliable metal/graphene contact by ultraviolet-ozone treatment. Journal of Applied Physics, 2014, 115, .	1.1	33
74	State of the art Raman techniques for biological applications. Methods, 2014, 68, 338-347.	1.9	24
75	Thermal Conductivity of Monolayer Molybdenum Disulfide Obtained from Temperature-Dependent Raman Spectroscopy. ACS Nano, 2014, 8, 986-993.	7.3	666
76	High-speed coherent Raman fingerprint imaging of biological tissues. Nature Photonics, 2014, 8, 627-634.	15.6	358
77	Isolation of Specific Small-Diameter Single-Wall Carbon Nanotube Species via Aqueous Two-Phase Extraction. Advanced Materials, 2014, 26, 2800-2804.	11.1	215
78	Targeted Therapeutic Nanotubes Influence the Viscoelasticity of Cancer Cells to Overcome Drug Resistance. ACS Nano, 2014, 8, 4177-4189.	7.3	68
79	Functionalized, carbon nanotube material for the catalytic degradation of organophosphate nerve agents. Nano Research, 2014, 7, 390-398.	5.8	15
80	Glucose Oxidase-Catalyzed Growth of Gold Nanoparticles Enables Quantitative Detection of Attomolar Cancer Biomarkers. Analytical Chemistry, 2014, 86, 5800-5806.	3.2	160
81	Carbon scrolls from chemical vapor deposition grown graphene. Carbon, 2014, 76, 257-265.	5.4	18
82	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
83	High-Resolution Length Fractionation of Surfactant-Dispersed Carbon Nanotubes. Analytical Chemistry, 2013, 85, 1382-1388.	3.2	51
84	Multicomponent Chemical Imaging of Pharmaceutical Solid Dosage Forms with Broadband CARS Microscopy. Analytical Chemistry, 2013, 85, 8102-8111.	3.2	59
85	Ultraviolet/ozone treatment to reduce metal-graphene contact resistance. Applied Physics Letters, 2013, 102, .	1.5	112
86	Particle size distributions by transmission electron microscopy: an interlaboratory comparison case study. Metrologia, 2013, 50, 663-678.	0.6	118
87	Fundamental optical processes in armchair carbon nanotubes. Nanoscale, 2013, 5, 1411.	2.8	56
88	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
89	Gold Nanoparticle-Based Activatable Probe for Sensing Ultralow Levels of Prostate-Specific Antigen. ACS Nano, 2013, 7, 5568-5576.	7.3	154
90	Acetylcholinesterase-Catalyzed Hydrolysis Allows Ultrasensitive Detection of Pathogens with the Naked Eye. Angewandte Chemie - International Edition, 2013, 52, 14065-14069.	7.2	123

#	ARTICLE	IF	CITATIONS
91	Preferential Outward Diffusion of Cu during Unconventional Galvanic Replacement Reactions between H <sub>2</sub> AuCl <sub>4</sub> and Surface-Limited Cu Nanocrystals. ACS Nano, 2011, 5, 6843-6854.	7.3	30
92	Toward Clean and Crackless Transfer of Graphene. ACS Nano, 2011, 5, 9144-9153.	7.3	701
93	Evolution of DNA Sequences Toward Recognition of Metallic Armchair Carbon Nanotubes. Journal of the American Chemical Society, 2011, 133, 12998-13001.	6.6	77
94	Low-Frequency Raman Spectroscopy of Trialanine. Biophysical Journal, 2011, 100, 313a-314a.	0.2	0
95	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
96	Separation of Empty and Water-Filled Single-Wall Carbon Nanotubes. ACS Nano, 2011, 5, 3943-3953.	7.3	65
97	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
98	Effects of gamma irradiation for sterilization on aqueous dispersions of length sorted carbon nanotubes. Nano Research, 2011, 4, 393-404.	5.8	11
99	Carbon Nanotubes: Measuring Dispersion and Length. Advanced Materials, 2011, 23, 338-348.	11.1	44
100	Transmission electron microscopy characterization of colloidal copper nanoparticles and their chemical reactivity. Analytical and Bioanalytical Chemistry, 2010, 396, 1057-1069.	1.9	72
101	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
102	Separation and Characterization of Double-Wall Carbon Nanotube Subpopulations. Journal of Physical Chemistry C, 2010, 114, 11343-11351.	1.5	18
103	Facile One-Pot Synthesis of Metal-Semiconductor Hybrid Nanocrystals via Chemical Transformation: The Case of Cu <sub>2</sub> S Heterodimers and Hetero-Oligomers. Journal of Physical Chemistry C, 2010, 114, 4264-4271.	1.5	24
104	Structural Analysis of Soft Multicomponent Nanoparticle Clusters. ACS Nano, 2010, 4, 6982-6988.	7.3	14
105	Sample preparation protocols for realization of reproducible characterization of single-wall carbon nanotubes. Metrologia, 2009, 46, 682-692.	0.6	36
106	Towards optimization and characterization of dye-embedded gold nanoparticle clusters for multiplexed optical imaging. Proceedings of SPIE, 2009, , .	0.8	0
107	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
108	Surface-Enhanced Raman scattering spectroscopy via gold nanostars. Journal of Raman Spectroscopy, 2009, 40, 86-91.	1.2	261

#	ARTICLE	IF	CITATIONS
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	The effect of dispersant on defects in length-separated single-wall carbon nanotubes measured by Raman spectroscopy. <i>Carbon</i> , 2009, 47, 3238-3241.	5.4	25
112	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
113	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
114	Centrifugal Length Separation of Carbon Nanotubes. <i>Langmuir</i> , 2008, 24, 13880-13889.	1.6	81
115	Origin of the exceptional negative thermal expansion in metal-organic framework-5 $\text{Zn}^{4-}$ <i>Physical Review B</i> , 2008, 78, ...	1.1	128
116	Dielectric Response of Aligned Semiconducting Single-Wall Nanotubes. <i>Physical Review Letters</i> , 2007, 98, 147402.	2.9	74
117	Influence of the Colloidal Environment on the Magnetic Behavior of Cobalt Nanoparticles. <i>Langmuir</i> , 2007, 23, 11740-11746.	1.6	20
118	Synthesis and characterization of cobalt/gold bimetallic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 311, 31-35.	1.0	51
119	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
120	Length-Dependent Optical Effects in Single-Wall Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2007, 129, 10607-10612.	6.6	138
121	Towards correlating Raman excitation profile and electron diffraction of the same single carbon nanotube. <i>Annales De Physique</i> , 2007, 32, 131-134.	0.2	0
122	Comparative Measures of Single-Wall Carbon Nanotube Dispersion. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23801-23805.	1.2	90
123	High-Resolution Terahertz Spectroscopy of Crystalline Trialanine: Extreme Sensitivity to Sheet Structure and Cocrystallized Water. <i>Journal of the American Chemical Society</i> , 2006, 128, 5764-5775.	6.6	98
124	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
125	Magnetic-Field-Induced Assemblies of Cobalt Nanoparticles. <i>Langmuir</i> , 2005, 21, 12055-12059.	1.6	122
126	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



#	ARTICLE	IF	CITATIONS
127	Rotational spectra of the diastereomers of Soman. <i>Journal of Molecular Spectroscopy</i> , 2004, 224, 176-184.	0.4	19
128	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
129	Continuous-Wave Terahertz Spectroscopy of Plasmas and Biomolecules. <i>International Journal of High Speed Electronics and Systems</i> , 2003, 13, 1287-1306.	0.3	11
130	Experimental studies of peptide bonds: Identification of the C7 <sub>eq</sub> conformation of the alanine dipeptide analog N-acetyl-alanine N <sup>ε</sup> -methylamide from torsion-rotation interactions. <i>Journal of Chemical Physics</i> , 2003, 118, 1253-1265.	1.2	70
131	Conformational analysis of the jet-cooled peptide mimetic ethylacetamidoacetate from torsion-rotation spectra. <i>Journal of Chemical Physics</i> , 2003, 119, 5497-5504.	1.2	32
132	Rotational Spectrum of Sarin. <i>Journal of Molecular Spectroscopy</i> , 2001, 207, 77-82.	0.4	42
133	Spontaneous coherent microwave emission and the sawtooth instability in a compact storage ring. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2001, 4, .	1.8	35
134	The structure of O <sub>3</sub> <sup>+</sup> CH <sub>4</sub> and the implications for the O+CH <sub>4</sub> precursor-initiated reaction. <i>Journal of Chemical Physics</i> , 2000, 113, 2139-2144.	1.2	13
135	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
136	<title>Fourier transform microwave spectroscopy of chemical-warfare agents and their synthetic precursors</title>. , 1999, , .		2
137	Rotational Spectrum, Structure, and Electric Dipole Moment of Bis(difluoromethyl) Ether. <i>Journal of Molecular Spectroscopy</i> , 1998, 192, 441-448.	0.4	5
138	Determination of the structure of HBr DBr. <i>Journal of Chemical Physics</i> , 1997, 106, 6240-6247.	1.2	18
139	New infrared beamline at the NIST SURF II storage ring. , 1997, , .		8
140	Rotational Spectra, Structure, and Electric Dipole Moments of Methyl and Ethyltert-Butyl Ether (MTBE and ETBE). <i>Journal of Molecular Spectroscopy</i> , 1997, 181, 67-77.	0.4	44
141	Infrared and Microwave Molecular-Beam Studies of N <sub>2</sub> O <sub>5</sub> . <i>Journal of Molecular Spectroscopy</i> , 1997, 184, 172-176.	0.4	5
142	Rotational Spectra of CH <sub>3</sub> CCH <sub>2</sub> NH <sub>3</sub> , NCCCH <sub>2</sub> NH <sub>3</sub> , and NCCCH <sub>2</sub> OH <sub>2</sub> . <i>Journal of Molecular Spectroscopy</i> , 1996, 179, 85-93.	0.4	23
143	<title>Using Fourier transform microwave spectroscopy to detect hazardous air pollutants</title>. , 1995, , .		1
144	Rotational spectra of methyl ethyl and methyl propyl nitrosamines. Conformational assignment, internal rotation and quadrupole coupling. <i>Journal of Molecular Structure</i> , 1995, 346, 187-195.	1.8	32

#	ARTICLE	IF	CITATIONS
145	Determination of the structure of HBr OCS. Journal of Chemical Physics, 1995, 102, 7298-7305.	1.2	62
146	Microwave determination of the structure of the Cs conformation of dipropyl ether. The Journal of Physical Chemistry, 1993, 97, 6979-6982.	2.9	5
147	Polyoxovanadates as Precursors for the Synthesis of Colloidal Multi-Metal Oxide Nanocrystals. Chemistry of Materials, 0, , .	3.2	4
148	Influence of Dimensionality on the Charge Density Wave Phase of $2\text{H}\hat{\text{A}}\text{CTaSe}_{2}$ . Advanced Theory and Simulations, 0, , 2100329.	1.3	0