

# Laurie E Mcneil

## List of Publications by Year in descending order

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42  
papers

1,992  
citations

394421

19  
h-index

265206

42  
g-index

46  
all docs

46  
docs citations

46  
times ranked

3230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibrational Spectroscopy of Aluminum Nitride. <i>Journal of the American Ceramic Society</i> , 1993, 76, 1132-1136.	3.8	407
2	Charge-transfer complexes: new perspectives on an old class of compounds. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3065-3076.	5.5	374
3	Self-Assembly of Carbon Nanotubes. <i>Advanced Materials</i> , 2002, 14, 899.	21.0	229
4	Synthesis of Nearly Uniform Single-Walled Carbon Nanotubes Using Identical Metal-Containing Molecular Nanoclusters as Catalysts. <i>Journal of the American Chemical Society</i> , 2002, 124, 13688-13689.	13.7	179
5	Nanoforest Nb <sub>2</sub> O <sub>5</sub> Photoanodes for Dye-Sensitized Solar Cells by Pulsed Laser Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 3929-3935.	8.0	130
6	Charge Transport Properties of Perylene-TCNQ Crystals: The Effect of Stoichiometry. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24688-24696.	3.1	118
7	Solvent-Dependent Stoichiometry in Perylene-7,7,8,8-Tetracyanoquinodimethane Charge Transfer Compound Single Crystals. <i>Crystal Growth and Design</i> , 2014, 14, 6376-6382.	3.0	58
8	Atomically Flat, Large-Sized, Two-Dimensional Organic Nanocrystals. <i>Small</i> , 2013, 9, 990-995.	10.0	51
9	Freezing-in orientational disorder induces crossover from thermally-activated to temperature-independent transport in organic semiconductors. <i>Nature Communications</i> , 2014, 5, 5642.	12.8	50
10	Evidence of low intermolecular coupling in rubrene single crystals by Raman scattering. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 276204.	1.8	36
11	Ultrafast Dynamics of Frenkel Excitons in Tetracene and Rubrene Single Crystals. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10580-10591.	3.1	31
12	Analysis of boron strain compensation in silicon-germanium alloys by Raman spectroscopy. <i>Applied Physics Letters</i> , 2006, 88, 202114.	3.3	30
13	An annealing study of luminescent amorphous silicon-rich silicon oxynitride thin films. <i>Applied Physics Letters</i> , 1995, 67, 3694-3696.	3.3	27
14	Control of charge mobility in single-crystal rubrene through surface chemistry. <i>Organic Electronics</i> , 2010, 11, 1928-1934.	2.6	25
15	Influence of Vibronic Coupling on Band Structure and Exciton Self-Trapping in $\pm$ -Perylene. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5157-5167.	2.6	24
16	Molecular motion and mobility in an organic single crystal: Raman study and model. <i>Physical Review B</i> , 2009, 80, .	3.2	23
17	Effect of pressure on the resistivity and Hall coefficient of amorphous metallic alloys. <i>Physical Review B</i> , 1983, 27, 6007-6018.	3.2	20
18	Structure and dynamics of molten aluminium and gallium trihalides. <i>Molecular Physics</i> , 1994, 81, 409-420.	1.7	20

#	ARTICLE	IF	CITATIONS
19	Electroluminescence in silicon oxynitride films. Journal of Applied Physics, 1999, 86, 2638-2641.	2.5	20
20	Evidence of Low-Temperature Phase Transition in Tetraceneâ€“Tetracyanoquinodimethane Complex. Crystal Growth and Design, 2018, 18, 4095-4102.	3.0	19
21	Vibrational properties of organic donor-acceptor molecular crystals: Anthracene-pyromellitic-dianhydride (PMDA) as a case study. Journal of Chemical Physics, 2015, 143, 224503.	3.0	14
22	Properties and annealing stability of Fe doped semi-insulating GaN structures. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 2476-2479.	0.8	12
23	Index of refraction and optical absorption in amorphous $Ge_{1-x}Sn_xSe_2$ . The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1990, 61, 957-963.	0.6	11
24	<sup>15</sup> N isotopic effects on the Raman spectra of tribromoacetonitrile. Journal of Raman Spectroscopy, 1987, 18, 273-275.	2.5	10
25	Electron-phonon coupling in anthracene-pyromellitic dianhydride. Journal of Chemical Physics, 2017, 146, 214705.	3.0	9
26	Use of a cooperative-motion domain model to analyze brillouin light scattering measurements of the dynamic modulus in triblock copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 2170-2178.	2.1	8
27	The effects of nickel germanosilicide contacts on the biaxial compressive stress in thin epitaxial silicon-germanium alloys on silicon. Applied Physics Letters, 2007, 91, 142118.	3.3	8
28	Growth and Properties of Lattice Matched GaAsSbN Epilayer on GaAs for Solar Cell Applications. Materials Research Society Symposia Proceedings, 2005, 891, 1.	0.1	6
29	Vibrational frequencies and tuning of the African mbira. Journal of the Acoustical Society of America, 2008, 123, 1169-1178.	1.1	6
30	Critical thickness of heavily boron-doped silicon-germanium alloys. Applied Physics Letters, 2006, 89, 202118.	3.3	4
31	Influence of ionic pretreatment on the performance of solid electrolyte dye-sensitized solar cells. Solar Energy, 2012, 86, 2312-2317.	6.1	4
32	Postsynthetic Metathesis in an All Organic Two-Dimensional Array Mediated by Hydrogen Bonding. Crystal Growth and Design, 2014, 14, 5794-5800.	3.0	4
33	Organic Nanocrystals: Atomically Flat, Largeâ€“Sized, Twoâ€“Dimensional Organic Nanocrystals (Small) Tj ETQq1 1 0,784314 rgBT /Overl 10,0 3		
34	Efficiency enhancement of organic thin-film phototransistors due to photoassisted charge injection. Applied Physics Letters, 2021, 119, 073302.	3.3	3
35	Topic 3: Getting Women Into Positions of Leadership Nationally and Internationally. AIP Conference Proceedings, 2002, , .	0.4	2
36	Temperature-dependent vibrational spectroscopy to study order-disorder transitions in charge transfer complexes. AIP Advances, 2018, 8, 025117.	1.3	2

#	ARTICLE	IF	CITATIONS
37	Carrier Recombination in A-Si:H P-I-N Devices Studied by PL and EL Spectroscopies. Materials Research Society Symposia Proceedings, 1995, 377, 281.	0.1	1
38	An elliptical polarization machine. American Journal of Physics, 1996, 64, 1078-1080.	0.7	1
39	Elastic instability in Ge <sub>1-x</sub> Si <sub>x</sub> alloys under heavy-ion irradiation. Philosophical Magazine Letters, 2004, 84, 93-104.	1.2	1
40	Self-Assembly of Carbon Nanotubes. , 2002, 14, 899.		1
41	Photoluminescence study of highly doped, tensile-strained GaAs/In <sub>0.07</sub> Al <sub>0.93</sub> As quantum wells. Microwave and Optical Technology Letters, 1997, 16, 7-11.	1.4	0
42	Intermolecular Correlation Effects in the Electronic Relaxation Dynamics of Organic Single Crystals. , 2010, , .		0