

Daniel B Dougherty

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4796976/publications.pdf>

Version: 2024-02-01

49
papers

1,127
citations

471509

17
h-index

395702

33
g-index

50
all docs

50
docs citations

50
times ranked

2191
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold adatom as a key structural component in self-assembled monolayers of organosulfur molecules on Au(111). <i>Progress in Surface Science</i> , 2010, 85, 206-240.	8.3	249
2	Modification of Molecular Spin Crossover in Ultrathin Films. <i>Nano Letters</i> , 2013, 13, 1429-1434.	9.1	83
3	Iron(ii) spin crossover films on Au(111): scanning probe microscopy and photoelectron spectroscopy. <i>Chemical Communications</i> , 2013, 49, 10446.	4.1	69
4	Significantly Increasing the Ductility of High Performance Polymer Semiconductors through Polymer Blending. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14037-14045.	8.0	68
5	Optical second-harmonic generation induced by electric current in graphene on Si and SiC substrates. <i>Physical Review B</i> , 2014, 89, .	3.2	64
6	Multiple coexisting intercalation structures of sodium in epitaxial graphene-SiC interfaces. <i>Physical Review B</i> , 2012, 85, .	3.2	46
7	Complex Materials for Molecular Spintronics Applications: Cobalt Bis(dioxolene) Valence Tautomers, from Molecules to Polymers. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13141-13148.	2.6	42
8	Band Formation in a Molecular Quantum Well via 2D Superatom Orbital Interactions. <i>Physical Review Letters</i> , 2012, 109, 266802.	7.8	42
9	Role of Polymer Segregation on the Mechanical Behavior of All-Polymer Solar Cell Active Layers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43886-43892.	8.0	40
10	Copper Deficiency in the p-Type Semiconductor $\text{Cu}_{1-x}\text{Nb}_3\text{O}_8$. <i>Chemistry of Materials</i> , 2014, 26, 2095-2104.	6.7	35
11	Modeling the constant-current distance-voltage mode of scanning tunneling spectroscopy. <i>Physical Review B</i> , 2011, 84, .	3.2	28
12	$\text{CuNb}_x\text{Ta}_{1-x}\text{O}_3$ ($x \approx 0.25$) solid solutions: impact of Ta substitution and Cu deficiency on their structure, photocatalytic, and photoelectrochemical properties. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3115-3126.	10.3	28
13	Band Edge Control of Quasi-2D Metal Halide Perovskites for Blue Light-Emitting Diodes with Enhanced Performance. <i>Advanced Functional Materials</i> , 2021, 31, 2103299.	14.9	28
14	Striped domains at the pentacene:C60 interface. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	26
15	Coexisting Bi and Se surface terminations of cleaved Bi_2Se_3 single crystals. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014, 32, .	1.2	25
16	C_{60} -Pentacene Network Formation by 2-D Co-Crystallization. <i>Langmuir</i> , 2009, 25, 9857-9862.	3.5	20
17	Molecular self-assembly guided by surface reconstruction: CH_3SH monolayer on the Au(111) surface. <i>Surface Science</i> , 2008, 602, 2017-2024.	1.9	19
18	Tunable Optical and Photocatalytic Properties of Low-Dimensional Copper(I)-Iodide Hybrids Using Coordinating Organic Ligands. <i>Crystal Growth and Design</i> , 2018, 18, 5406-5416.	3.0	16

#	ARTICLE	IF	CITATIONS
19	Incomplete screening by epitaxial graphene on the Si face of 6H-SiC(0001). Applied Physics Letters, 2010, 97, 113104.	3.3	15
20	Improved graphene growth in UHV: Pit-free surfaces by selective Si etching of SiC(0001)-Si with atomic hydrogen. Surface Science, 2013, 611, 25-31.	1.9	15
21	Morphological, Optical, and Electronic Consequences of Coexisting Crystal Orientations in $\hat{\Gamma}^2$ -Copper Phthalocyanine Thin Films. Journal of Physical Chemistry C, 2016, 120, 18616-18621.	3.1	15
22	Chemisorbed Benzoate-to-Benzene Conversion via Phenyl Radicals on Cu(110): Kinetic Observation of Conformational Effects. Journal of the American Chemical Society, 2006, 128, 6008-6009.	13.7	13
23	Assembly of Linear Clusters of Iodobenzene Dimers on Cu(110). Journal of Physical Chemistry B, 2006, 110, 20077-20080.	2.6	12
24	Phenyl Species Formation and Preferential Hydrogen Abstraction in the Decomposition of Chemisorbed Benzoate on Cu(110). Journal of Physical Chemistry B, 2006, 110, 9939-9946.	2.6	11
25	Edge-On Bonding of Benzene Molecules in the Second Adsorbed Layer on Cu(110). Journal of Physical Chemistry B, 2006, 110, 15645-15649.	2.6	10
26	Role of Fluorine Interactions in the Self-Assembly of a Functionalized Anthradithiophene Monolayer on Au(111). Journal of Physical Chemistry C, 2012, 116, 21465-21471.	3.1	9
27	Tuning interfacial spin filters from metallic to resistive within a single organic semiconductor family. Physical Review B, 2017, 95, .	3.2	8
28	Self-assembly of 2,6-dimethylpyridine on Cu(110) directed by weak hydrogen bonding. Surface Science, 2007, 601, L91-L94.	1.9	7
29	Impact of Local Molecular Environment on the Decay of Image Potential States. Journal of Physical Chemistry Letters, 2010, 1, 2613-2617.	4.6	7
30	Coverage-dependent surface magnetism of iron phthalocyanine on an O-Fe(110) surface. Physical Review B, 2014, 90, .	3.2	7
31	Toward Single-Crystal Hybrid-Carbon Electronics: Impact of Graphene Substrate Defect Density on Copper Phthalocyanine Film Growth. Crystal Growth and Design, 2014, 14, 4394-4401.	3.0	7
32	Timescales of excited state relaxation in $\hat{\Gamma}^2$ -Copper Phthalocyanine on Cu(110) observed by time-resolved two-photon photoemission spectroscopy. Physical Review B, 2021, 103, .	1.2	7
33	Effect of p-type doping on the oxidation of H-Si(111) studied by second-harmonic generation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2012, 30, 040603.	2.1	6
34	Smooth MgO films grown on graphite and graphene by pulsed laser deposition. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2013, 31, .	1.2	6
35	Spatially Uniform Shallow Trap Distribution in an Ultrathin Organic Transistor. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800486.	2.4	6
36	Extrinsic origins of electronic disorder in 2D organic crystals. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2014, 32, .	1.2	5

#	ARTICLE	IF	CITATIONS
37	Monitoring Charge Separation Processes in Quasi-One-Dimensional Organic Crystalline Structures. Nano Letters, 2017, 17, 6056-6061.	9.1	5
38	Growth-temperature dependence of conductivity at the LaCrO ₃ /SrTiO ₃ (001) interface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	5
39	Scanning tunneling microscopy of a disordered Alq ₃ metal interface. Organic Electronics, 2011, 12, 1920-1926.	2.6	3
40	Disruption of Molecular Ordering over Several Layers near the Au/2,8-Difluoro-5,11-bis(triethylsilylethynyl) Anthradithiophene Interface. Crystal Growth and Design, 2015, 15, 822-828.	3.0	3
41	Coverage dependent molecular assembly of anthraquinone on Au(111). Journal of Chemical Physics, 2017, 147, 184701.	3.0	3
42	Direct molecular quantification of electronic disorder in Technology B:Nanotechnology and Microelectronics, 2020, 38, 053401.	1.2	3
43	Intrinsic Charge Trapping Observed as Surface Potential Variations in diF-TES-ADT Films. ACS Applied Materials & Interfaces, 2016, 8, 21490-21496.	8.0	2
44	Growth of thermally stable crystalline C ₆₀ films on flat-lying copper phthalocyanine. Journal of Materials Chemistry A, 2016, 4, 1028-1032.	10.3	2
45	Temperature controlled interlayer disorder in ultrathin films of 1,6-hexithiophene. Thin Solid Films, 2017, 642, 182-187.	1.8	2
46	An interface-controlled Mott memristor in 1,6-RuCl ₃ . Applied Physics Letters, 2020, 116, 183501.	3.3	2
47	Indirect coupling of an organic semiconductor to a d-orbital surface state. Physical Review B, 2015, 92, .	3.2	1
48	Suppression of dynamic disorder in fullerenes at metal-organic interfaces. Journal of Chemical Physics, 2019, 151, 214706.	3.0	1
49	Dynamics of domain boundaries at metal-organic interfaces. Journal of Chemical Physics, 2021, 154, 124704.	3.0	1