

# Sujitra J Pookpanratana

## List of Publications by Year in descending order

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39  
papers

1,037  
citations

471371

17  
h-index

414303

32  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1651  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cliff-like conduction band offset and KCN-induced recombination barrier enhancement at the CdS/Cu <sub>2</sub> ZnSnS <sub>4</sub> thin-film solar cell heterojunction. Applied Physics Letters, 2011, 99, .	1.5	181
2	Polymorphism in the 1:1 Charge-Transfer Complex DBTTF-TCNQ and Its Effects on Optical and Electronic Properties. Advanced Electronic Materials, 2016, 2, 1600203.	2.6	83
3	Solid and liquid spectroscopic analysis (SALSA)-a soft x-ray spectroscopy endstation with a novel flow-through liquid cell. Review of Scientific Instruments, 2009, 80, 123102.	0.6	77
4	Depth-resolved band gap in Cu(In,Ga)(S,Se) <sub>2</sub> thin films. Applied Physics Letters, 2008, 93, .	1.5	72
5	Impact of KCN etching on the chemical and electronic surface structure of Cu <sub>2</sub> ZnSnS <sub>4</sub> thin-film solar cell absorbers. Applied Physics Letters, 2011, 99, .	1.5	69
6	Redox-Active Molecular Nanowire Flash Memory for High-Endurance and High-Density Nonvolatile Memory Applications. ACS Applied Materials & Interfaces, 2015, 7, 27306-27313.	4.0	59
7	Native oxidation and Cu-poor surface structure of thin film Cu <sub>2</sub> ZnSnS <sub>4</sub> solar cell absorbers. Applied Physics Letters, 2011, 99, .	1.5	48
8	Ultrafast Proton Dynamics in Aqueous Amino Acid Solutions Studied by Resonant Inelastic Soft X-ray Scattering. Journal of Physical Chemistry B, 2012, 116, 13757-13764.	1.2	37
9	The Influence of Isomer Purity on Trap States and Performance of Organic Thin-Film Transistors. Advanced Electronic Materials, 2017, 3, 1600294.	2.6	37
10	Zn-Se-Cd-S Interlayer Formation at the CdS/Cu <sub>2</sub> ZnSnSe <sub>4</sub> Thin-Film Solar Cell Interface. ACS Energy Letters, 2017, 2, 1632-1640.	8.8	31
11	Nondestructive depth-resolved spectroscopic investigation of the heavily intermixed In <sub>2</sub> S <sub>3</sub> /Cu(In,Ga)Se <sub>2</sub> interface. Applied Physics Letters, 2010, 96, 184101.	1.5	24
12	Non-volatile memory devices with redox-active diruthenium molecular compound. Journal of Physics Condensed Matter, 2016, 28, 094009.	0.7	23
13	Sulfur gradient-driven Se diffusion at the CdS/CuIn(S,Se) <sub>2</sub> solar cell interface. Applied Physics Letters, 2010, 96, .	1.5	22
14	Effects of postdeposition treatments on surfaces of CdTe/CdS solar cells. Applied Physics Letters, 2010, 97, 172109.	1.5	22
15	Non-volatile memory with self-assembled ferrocene charge trapping layer. Applied Physics Letters, 2013, 103, .	1.5	19
16	Interface Engineering To Control Magnetic Field Effects of Organic-Based Devices by Using a Molecular Self-Assembled Monolayer. ACS Nano, 2014, 8, 7192-7201.	7.3	19
17	Contact and Noncontact Measurement of Electronic Transport in Individual 2D SnS Colloidal Semiconductor Nanocrystals. ACS Nano, 2018, 12, 10045-10060.	7.3	19
18	The electrochemical reduction of PdCl <sub>4</sub> <sup>2-</sup> and PdCl <sub>6</sub> <sup>2-</sup> in polyaniline: Influence of Pd deposit morphology on methanol oxidation in alkaline solution. Electrochimica Acta, 2011, 56, 6060-6070.	2.6	18

#	ARTICLE	IF	CITATIONS
19	Attachment of a Diruthenium Compound to Au and SiO <sub>2</sub> /Si Surfaces by "Click" Chemistry. <i>Langmuir</i> , 2014, 30, 10280-10289.	1.6	17
20	Self-Assembled Monolayers Impact Cobalt Interfacial Structure in Nanoelectronic Junctions. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6687-6695.	1.5	16
21	Chemical-doping-driven crossover from graphene to "ordinary metal" in epitaxial graphene grown on SiC. <i>Nanoscale</i> , 2017, 9, 11537-11544.	2.8	16
22	Electronic properties and structure of single crystal perylene. <i>Organic Electronics</i> , 2018, 61, 157-163.	1.4	15
23	Intermixing and chemical structure at the interface between n-GaN and V-based contacts. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	14
24	Cu <sub>2</sub> ZnSnS <sub>4</sub> thin-film solar cell absorbers illuminated by soft x-rays. <i>Journal of Materials Research</i> , 2012, 27, 1097-1104.	1.2	14
25	Contrasting Transport and Electrostatic Properties of Selectively Fluorinated Alkanethiol Monolayers with Embedded Dipoles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4881-4890.	1.5	13
26	Electrical and Physical Characterization of Bilayer Carboxylic Acid-Functionalized Molecular Layers. <i>Langmuir</i> , 2013, 29, 2083-2091.	1.6	12
27	Modifying Spin Injection Characteristics in the Co/Alq <sub>3</sub> System by Using a Molecular Self-Assembled Monolayer. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12949-12955.	1.5	10
28	Organic single crystals of charge-transfer complexes: model systems for the study of donor/acceptor interactions. <i>Materials Horizons</i> , 2022, 9, 271-280.	6.4	10
29	Soft X-ray and electron spectroscopy to determine the electronic structure of materials for photoelectrochemical hydrogen production. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 190, 106-112.	0.8	9
30	Soft X-rays shedding light on thin-film solar cell surfaces and interfaces. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 190, 47-53.	0.8	7
31	Nonvolatile memory based on redox-active ruthenium molecular monolayers. <i>Applied Physics Letters</i> , 2019, 115, 162102.	1.5	6
32	Microstructure of vanadium-based contacts on n-type GaN. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 105401.	1.3	5
33	Alternatives to aluminum gates for silicon quantum devices: Defects and strain. <i>Journal of Applied Physics</i> , 2021, 130, 115102.	1.1	3
34	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
35	Reply to Comment on Polymorphism in the 1:1 Charge-Transfer Complex DBTTF-CNQ and Its Effects on Optical and Electronic Properties. <i>Advanced Electronic Materials</i> , 2017, 3, 1600521.	2.6	2
36	Site- and Symmetry-Resolved Resonant X-ray Emission Study of a Highly Ordered PTCDA Thin Film. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8607-8615.	1.5	1

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37	(Invited) Interface Engineering for Nanoelectronics. ECS Transactions, 2017, 80, 119-131.	0.3	1
38	Organic Electronics: The Influence of Isomer Purity on Trap States and Performance of Organic Thin-Film Transistors (Adv. Electron. Mater. 1/2017). Advanced Electronic Materials, 2017, 3, .	2.6	0
39	Commissioning and Calibration of a Photoemission Electron Microscope. Microscopy and Microanalysis, 2021, 27, 634-634.	0.2	0