

# Manish Pandey

## List of Publications by Year in descending order

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32  
papers

988  
citations

393982

19  
h-index

433756

31  
g-index

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32  
docs citations

32  
times ranked

1337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain Relaxation and Light Management in Tin-Lead Perovskite Solar Cells to Achieve High Efficiencies. <i>ACS Energy Letters</i> , 2019, 4, 1991-1998.	8.8	114
2	Recent advances in the orientation of conjugated polymers for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13323-13351.	2.7	111
3	Passivation of Grain Boundary by Squaraine Zwitterions for Defect Passivation and Efficient Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 10012-10020.	4.0	70
4	Xanthate-induced sulfur doped all-inorganic perovskite with superior phase stability and enhanced performance. <i>Nano Energy</i> , 2019, 59, 258-267.	8.2	61
5	Interfacial Sulfur Functionalization Anchoring SnO <sub>2</sub> and CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> for Enhanced Stability and Trap Passivation in Perovskite Solar Cells. <i>ChemSusChem</i> , 2018, 11, 3941-3948.	3.6	58
6	Solvent driven performance in thin floating-films of PBTTT for organic field effect transistor: Role of macroscopic orientation. <i>Organic Electronics</i> , 2017, 43, 240-246.	1.4	56
7	Enhancement of carrier mobility along with anisotropic transport in non-regiocontrolled poly(3-hexylthiophene) films processed by floating film transfer method. <i>Organic Electronics</i> , 2016, 38, 115-120.	1.4	48
8	Air-stable vapor phase sensing of ammonia in sub-threshold regime of poly(2,5-bis(3-tetradecylthiophen-2yl)thieno(3,2-b)thiophene) based polymer thin-film transistor. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 243-251.	4.0	46
9	Rapid Formation and Macroscopic Self-Assembly of Liquid-Crystalline, High-Mobility, Semiconducting Thienothiophene. <i>Advanced Materials Interfaces</i> , 2018, 5, 1700875.	1.9	41
10	Anisotropic charge transport in highly oriented films of semiconducting polymer prepared by ribbon-shaped floating film. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	40
11	Influence of backbone structure on orientation of conjugated polymers in the dynamic casting of thin floating-films. <i>Thin Solid Films</i> , 2016, 619, 125-130.	0.8	35
12	Controlling Factors for Orientation of Conjugated Polymer Films in Dynamic Floating-Film Transfer Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1915-1922.	0.9	34
13	Dependence of ITO-Coated Flexible Substrates in the Performance and Bending Durability of Perovskite Solar Cells. <i>Advanced Engineering Materials</i> , 2019, 21, 1900288.	1.6	32
14	Layer-by-layer coating of oriented conjugated polymer films towards anisotropic electronics. <i>Synthetic Metals</i> , 2017, 227, 29-36.	2.1	30
15	Efficient, hysteresis free, inverted planar flexible perovskite solar cells via perovskite engineering and stability in cylindrical encapsulation. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1739-1748.	2.5	27
16	Structured crystallization for efficient all-inorganic perovskite solar cells with high phase stability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20390-20397.	5.2	25
17	Investigation and Control of Charge Transport Anisotropy in Highly Oriented Friction-Transferred Polythiophene Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11876-11883.	4.0	25
18	Interplay of Orientation and Blending: Synergistic Enhancement of Field Effect Mobility in Thiophene-Based Conjugated Polymers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11184-11193.	1.5	24

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19	Orientation Characteristics of Non-regiocontrolled Poly (3-hexyl-thiophene) Film by FTM on Various Liquid Substrates. <i>Journal of Physics: Conference Series</i> , 2016, 704, 012005.	0.3	20
20	Extreme Orientational Uniformity in Large-Area Floating Films of Semiconducting Polymers for Their Application in Flexible Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38534-38543.	4.0	18
21	Role of device architecture and AIOX interlayer in organic Schottky diodes and their interpretation by analytical modeling. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	11
22	Recent progress in the macroscopic orientation of semiconducting polymers by floating film transfer method. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SB0801.	0.8	11
23	Perfectness of the main-chain alignment in the conjugated polymer films prepared by the floating film transfer method. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	8
24	Casting Control of Floating-films into Ribbon-shape Structure by modified Dynamic FTM. <i>Journal of Physics: Conference Series</i> , 2017, 924, 012014.	0.3	7
25	2D positional profiling of orientation and thickness uniformity in the semiconducting polymers thin films. <i>Organic Electronics</i> , 2019, 68, 221-229.	1.4	7
26	Assisted alignment of conjugated polymers in floating film transfer method using polymer blend. <i>Thin Solid Films</i> , 2021, 734, 138814.	0.8	6
27	Gas phase doping of pre-fabricated CNT yarns for enhanced thermoelectric properties. <i>Synthetic Metals</i> , 2021, 280, 116874.	2.1	6
28	Synthesis and Optoelectrical Characterization of Novel Squaraine Dyes Derived from Benzothiophene and Benzofuran. <i>ACS Omega</i> , 2018, 3, 13919-13927.	1.6	5
29	Solvent-Assisted Friction Transfer Method for Fabricating Large-Area Thin Films of Semiconducting Polymers with Edge-On Oriented Extended Backbones. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55033-55043.	4.0	5
30	Fabrication of ribbon-like films of orientation-controlled carbon nanotube/polymer composite using a robotic dispenser. <i>Applied Physics Express</i> , 2020, 13, 065503.	1.1	3
31	Implications of doping and depletion on the switching characteristics in polymer-based organic field-effect transistors. <i>Organic Electronics</i> , 2018, 56, 152-158.	1.4	2
32	2D positional mapping of casting condition driven microstructural distribution in organic thin films. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SCCA06.	0.8	2