

# Tadanori Kurosawa

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

5,299  
citations

257450

24  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

8179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsically stretchable and healable semiconducting polymer for organic transistors. <i>Nature</i> , 2016, 539, 411-415.	27.8	1,030
2	A chameleon-inspired stretchable electronic skin with interactive colour changing controlled by tactile sensing. <i>Nature Communications</i> , 2015, 6, 8011.	12.8	749
3	Stretchable Self-Healing Polymeric Dielectrics Cross-Linked Through Metal-Ligand Coordination. <i>Journal of the American Chemical Society</i> , 2016, 138, 6020-6027.	13.7	453
4	Hierarchical N-Doped Carbon as CO <sub>2</sub> Adsorbent with High CO <sub>2</sub> Selectivity from Rationally Designed Polypyrrole Precursor. <i>Journal of the American Chemical Society</i> , 2016, 138, 1001-1009.	13.7	405
5	High Performance All-Polymer Solar Cell via Polymer Side-Chain Engineering. <i>Advanced Materials</i> , 2014, 26, 3767-3772.	21.0	320
6	Diketopyrrolopyrrole-Based Semiconducting Polymer Nanoparticles for In Vivo Photoacoustic Imaging. <i>Advanced Materials</i> , 2015, 27, 5184-5190.	21.0	305
7	Flow-enhanced solution printing of all-polymer solar cells. <i>Nature Communications</i> , 2015, 6, 7955.	12.8	221
8	Roll-to-Roll Printed Large-Area All-Polymer Solar Cells with 5% Efficiency Based on a Low Crystallinity Conjugated Polymer Blend. <i>Advanced Energy Materials</i> , 2017, 7, 1602742.	19.5	214
9	Efficient molecular doping of polymeric semiconductors driven by anion exchange. <i>Nature</i> , 2019, 572, 634-638.	27.8	208
10	Polyimide memory: a pithy guideline for future applications. <i>Polymer Chemistry</i> , 2013, 4, 16-30.	3.9	177
11	Inducing Elasticity through Oligo-Siloxane Crosslinks for Intrinsically Stretchable Semiconducting Polymers. <i>Advanced Functional Materials</i> , 2016, 26, 7254-7262.	14.9	138
12	Role of Polymer Structure on the Conductivity of N-Doped Polymers. <i>Advanced Electronic Materials</i> , 2016, 2, 1600004.	5.1	99
13	New Donor-Acceptor Oligoimides for High-Performance Nonvolatile Memory Devices. <i>Chemistry of Materials</i> , 2011, 23, 4487-4497.	6.7	95
14	New Dibenzothiophene-Containing Donor-Acceptor Polyimides for High-Performance Memory Device Applications. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5930-5939.	3.1	83
15	Taming Charge Transport in Semiconducting Polymers with Branched Alkyl Side Chains. <i>Advanced Functional Materials</i> , 2017, 27, 1701973.	14.9	80
16	Thiophene and Selenophene Donor-Acceptor Polyimides as Polymer Electrets for Nonvolatile Transistor Memory Devices. <i>Macromolecules</i> , 2012, 45, 6946-6956.	4.8	79
17	Effect of Spacer Length of Siloxane-Terminated Side Chains on Charge Transport in Isoindigo-Based Polymer Semiconductor Thin Films. <i>Advanced Functional Materials</i> , 2015, 25, 3455-3462.	14.9	79
18	Comparison of the Morphology Development of Polymer-Fullerene and Polymer-Polymer Solar Cells during Solution-Shearing Blade Coating. <i>Advanced Energy Materials</i> , 2016, 6, 1601225.	19.5	79

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19	Flexible polymer memory devices derived from triphenylamine- <i>π</i> -pyrene containing donor-acceptor polyimides. <i>Journal of Materials Chemistry</i> , 2012, 22, 20754.	6.7	70
20	Tuning the Electrical Memory Characteristics from Volatile to Nonvolatile by Perylene Imide Composition in Random Copolyimides. <i>Macromolecules</i> , 2012, 45, 4556-4563.	4.8	69
21	All-Polymer Solar Cells Employing Non-Halogenated Solvent and Additive. <i>Chemistry of Materials</i> , 2016, 28, 5037-5042.	6.7	69
22	Tunable Electrical Memory Characteristics Using Polyimide:Polycyclic Aromatic Compound Blends on Flexible Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 4921-4929.	8.0	50
23	Polycyclic arene-based $\pi$ -A polyimide electrets for high-performance $n$ -type organic field effect transistor memory devices. <i>Journal of Polymer Science Part A</i> , 2014, 52, 139-147.	2.3	32
24	Impact of Polystyrene Oligomer Side Chains on Naphthalene Diimide- <i>π</i> -Bithiophene Polymers as $n$ -type Semiconductors for Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2016, 26, 1261-1270.	14.9	30
25	Air-Stable Benzo[ <i>c</i> ]thiophene Diimide $n$ -Type $\pi$ -Electron Core. <i>Organic Letters</i> , 2019, 21, 4448-4453.	4.6	23
26	Inducing a high twisted conformation in the polyimide structure by bulky donor moieties for the development of non-volatile memory. <i>European Polymer Journal</i> , 2013, 49, 3377-3386.	5.4	22
27	Understanding the Impact of Oligomeric Polystyrene Side Chain Arrangement on the All-Polymer Solar Cell Performance. <i>Advanced Energy Materials</i> , 2018, 8, 1701552.	19.5	21
28	Damage-free Metal Electrode Transfer to Monolayer Organic Single Crystalline Thin Films. <i>Scientific Reports</i> , 2020, 10, 4702.	3.3	17
29	Tuning domain size and crystallinity in isoindigo/PCBM organic solar cells via solution shearing. <i>Organic Electronics</i> , 2017, 40, 79-87.	2.6	16
30	Supramolecular cocrystals built through redox-triggered ion intercalation in $\pi$ -conjugated polymers. <i>Communications Materials</i> , 2021, 2, .	6.9	16
31	Effects of the acceptor conjugation length and composition on the electrical memory characteristics of random copolyimides. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1348-1358.	2.3	15
32	Cooperative Aggregations of Nitrogen-Containing Perylene Diimides Driven by Rigid and Flexible Functional Groups. <i>Chemistry of Materials</i> , 2020, 32, 9115-9125.	6.7	14
33	Strong and Atmospherically Stable Dicationic Oxidative Dopant. <i>Advanced Science</i> , 2021, 8, e2101998.	11.2	10
34	Doped semiconducting polymer nanoantennas for tunable organic plasmonics. <i>Communications Materials</i> , 2022, 3, .	6.9	9
35	Chrysenodithiophene-Based Conjugated Polymer: An Elongated Fused $\pi$ -Electronic Backbone with a Unique Orbital Structure Toward Efficient Intermolecular Carrier Transport. <i>Macromolecules</i> , 2021, 54, 2113-2123.	4.8	2