

# Luke A Galuska

## List of Publications by Year in descending order

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24  
papers

841  
citations

567281

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610901

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g-index

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all docs

24  
docs citations

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times ranked

607  
citing authors

#	ARTICLE	IF	CITATIONS
1	<scp>Water-assisted</scp> mechanical testing of polymeric <scp>thin-films</scp>. Journal of Polymer Science, 2022, 60, 1108-1129.	3.8	23
2	Backbone flexibility on conjugated polymer's crystallization behavior and thin film mechanical stability. Journal of Polymer Science, 2022, 60, 548-558.	3.8	7
3	Backbone-driven host-dopant miscibility modulates molecular doping in NDI conjugated polymers. Materials Horizons, 2022, 9, 500-508.	12.2	8
4	Elucidating the Role of Hydrogen Bonds for Improved Mechanical Properties in a High-Performance Semiconducting Polymer. Chemistry of Materials, 2022, 34, 2259-2267.	6.7	30
5	High-brightness all-polymer stretchable LED with charge-trapping dilution. Nature, 2022, 603, 624-630.	27.8	170
6	Molecular Origin of Strain-Induced Chain Alignment in PDPP-Based Semiconducting Polymeric Thin Films. Advanced Functional Materials, 2021, 31, 2100161.	14.9	38
7	SMART transfer method to directly compare the mechanical response of water-supported and free-standing ultrathin polymeric films. Nature Communications, 2021, 12, 2347.	12.8	30
8	Directly Probing the Fracture Behavior of Ultrathin Polymeric Films. ACS Polymers Au, 2021, 1, 16-29.	4.1	16
9	Precise Control of Noncovalent Interactions in Semiconducting Polymers for High-Performance Organic Field-Effect Transistors. Chemistry of Materials, 2021, 33, 8267-8277.	6.7	18
10	Influence of side-chain isomerization on the isothermal crystallization kinetics of poly(3-alkylthiophenes). Journal of Materials Research, 2021, 36, 191-202.	2.6	8
11	Strain-Induced Nanocavitation in Block Copolymer Thin Films for High Performance Filtration Membranes. ACS Applied Polymer Materials, 2021, 3, 5666-5673.	4.4	3
12	Influence of side-chain isomerization on the isothermal crystallization kinetics of poly(3-alkylthiophenes). Journal of Materials Research, 2021, 36, 1-12.	2.6	2
13	The effect of side-chain branch position on the thermal properties of poly(3-alkylthiophenes). Polymer Chemistry, 2020, 11, 517-526.	3.9	33
14	Impact of Backbone Rigidity on the Thermomechanical Properties of Semiconducting Polymers with Conjugation Break Spacers. Macromolecules, 2020, 53, 6032-6042.	4.8	63
15	Decoupling Poly(3-alkylthiophenes)™ Backbone and Side-Chain Conformation by Selective Deuteration and Neutron Scattering. Macromolecules, 2020, 53, 11142-11152.	4.8	26
16	Tacky Elastomers to Enable Tear-Resistant and Autonomous Self-Healing Semiconductor Composites. Advanced Functional Materials, 2020, 30, 2000663.	14.9	85
17	N-Type Complementary Semiconducting Polymer Blends. ACS Applied Polymer Materials, 2020, 2, 2644-2650.	4.4	9
18	Toward the Prediction and Control of Glass Transition Temperature for Donor-Acceptor Polymers. Advanced Functional Materials, 2020, 30, 2002221.	14.9	46

#	ARTICLE	IF	CITATIONS
19	Roll-to-Roll Scalable Production of Ordered Microdomains through Nonvolatile Additive Solvent Annealing of Block Copolymers. <i>Macromolecules</i> , 2019, 52, 5026-5032.	4.8	11
20	Side-Chain Engineering To Optimize the Charge Transport Properties of Isoindigo-Based Random Terpolymers for High-Performance Organic Field-Effect Transistors. <i>Macromolecules</i> , 2019, 52, 4765-4775.	4.8	23
21	Glass Transition Phenomenon for Conjugated Polymers. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900062.	2.2	69
22	The Critical Role of Electron-Donating Thiophene Groups on the Mechanical and Thermal Properties of Donor-Acceptor Semiconducting Polymers. <i>Advanced Electronic Materials</i> , 2019, 5, 1800899.	5.1	89
23	Energy level modulation of donor-acceptor alternating random conjugated copolymers for achieving high-performance polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15335-15343.	5.5	7
24	Challenge and Solution of Characterizing Glass Transition Temperature for Conjugated Polymers by Differential Scanning Calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1635-1644.	2.1	27