

Bijal B Patel

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,007
citations

759233

12
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

1956
citing authors

#	ARTICLE	IF	CITATIONS
1	Vanadium Oxide Nanowireâ€“Carbon Nanotube Binderâ€“Free Flexible Electrodes for Supercapacitors. <i>Advanced Energy Materials</i> , 2011, 1, 936-945.	19.5	303
2	Tuning the Electrocatalytic Activity of Perovskites through Active Site Variation and Support Interactions. <i>Chemistry of Materials</i> , 2014, 26, 3368-3376.	6.7	229
3	Tunable structural color of bottlebrush block copolymers through direct-write 3D printing from solution. <i>Science Advances</i> , 2020, 6, eaaz7202.	10.3	124
4	Vanadium Oxide Nanotube Spherical Clusters Prepared on Carbon Fabrics for Energy Storage Applications. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4512-4517.	8.0	76
5	Multiscale assembly of solution-processed organic electronics: the critical roles of confinement, fluid flow, and interfaces. <i>Nanotechnology</i> , 2018, 29, 044004.	2.6	63
6	Superâ€“and Ferroelastic Organic Semiconductors for Ultraflexible Singleâ€“Crystal Electronics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13004-13012.	13.8	39
7	Understanding the Role of Bulky Side Chains on Polymorphism of BTBT-Based Organic Semiconductors. <i>Crystal Growth and Design</i> , 2020, 20, 1646-1654.	3.0	26
8	Materials Design of Highly Branched Bottlebrush Polymers at the Intersection of Modeling, Synthesis, Processing, and Characterization. <i>Chemistry of Materials</i> , 2022, 34, 1990-2024.	6.7	26
9	Understanding Solution State Conformation and Aggregate Structure of Conjugated Polymers via Small Angle X-ray Scattering. <i>Macromolecules</i> , 2022, 55, 4353-4366.	4.8	22
10	Not All Aggregates Are Made the Same: Distinct Structures of Solution Aggregates Drastically Modulate Assembly Pathways, Morphology, and Electronic Properties of Conjugated Polymers. <i>Advanced Materials</i> , 2022, 34, .	21.0	22
11	Chiral emergence in multistep hierarchical assembly of achiral conjugated polymers. <i>Nature Communications</i> , 2022, 13, 2738.	12.8	20
12	Lyotropic Liquid Crystalline Mesophase Governs Interfacial Molecular Orientation of Conjugated Polymer Thin Films. <i>Chemistry of Materials</i> , 2020, 32, 6043-6054.	6.7	17
13	Superâ€“and Ferroelastic Organic Semiconductors for Ultraflexible Singleâ€“Crystal Electronics. <i>Angewandte Chemie</i> , 2020, 132, 13104-13112.	2.0	9
14	Implicit Side-Chain Model and Experimental Characterization of Bottlebrush Block Copolymer Solution Assembly. <i>Macromolecules</i> , 2021, 54, 3620-3633.	4.8	8
15	Concentration-Driven Self-Assembly of PS- <i>b</i> -PLA Bottlebrush Diblock Copolymers in Solution. <i>ACS Polymers Au</i> , 2022, 2, 232-244.	4.1	8
16	Spin-coated fluorinated PbS QD superlattice thin film with high hole mobility. <i>Nanoscale</i> , 2020, 12, 11174-11181.	5.6	5
17	Rapid, interface-driven domain orientation in bottlebrush diblock copolymer films during thermal annealing. <i>Soft Matter</i> , 2022, 18, 1666-1677.	2.7	5
18	<sc>PolyChemPrint</sc>: A hardware and software framework for benchtop additive manufacturing of functional polymeric materials. <i>Journal of Polymer Science</i> , 2021, 59, 2468-2478.	3.8	3