

# Mari Annadhasan

## List of Publications by Year in descending order

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25  
papers

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citations

516710

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h-index

580821

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all docs

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docs citations

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times ranked

503  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating Triply- and Singly-Bent Highly Flexible Crystal Optical Waveguides for Organic Photonic Circuit with a Long-Pass Filter Effect. <i>Small Structures</i> , 2022, 3, .	12.0	25
2	Realization of Mechanically Maneuverable Circuit Ports in Organic Hybrid Photonic Chip for 360° Steering of Bandwidth-Engineered Signals. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	20
3	Hot-exciton harvesting <i>via</i> through-space single-molecule based white-light emission and optical waveguides. <i>Chemical Science</i> , 2022, 13, 9004-9015.	7.4	12
4	Spatiotemporal Growth Anomalies in Photoisomerizable Cyanostilbene-Based Crystals Triggered by Light. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4909-4916.	3.1	4
5	Magnetic Field-Assisted Manipulation of Polymer Optical Microcavities. <i>Advanced Photonics Research</i> , 2021, 2, 2000146.	3.6	4
6	Mechanically Reconfigurable Organic Photonic Integrated Circuits Made from Two Electronically Different Flexible Microcrystals. <i>Advanced Functional Materials</i> , 2021, 31, 2100642.	14.9	74
7	Geometrically Reconfigurable, 2D, All-Organic Photonic Integrated Circuits Made from Two Mechanically and Optically Dissimilar Crystals. <i>Advanced Functional Materials</i> , 2021, 31, 2105415.	14.9	54
8	Polarised Optical Emission from Organic Anisotropic Microoptical Waveguides Grown by Ambient Pressure Vapour Deposition. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3476-3480.	3.3	3
9	Mechanophotonic aspects of a room temperature phosphorescent flexible organic microcrystal. <i>CrystEngComm</i> , 2021, 23, 5774-5779.	2.6	15
10	Mechanical Processing of Naturally Bent Organic Crystalline Microoptical Waveguides and Junctions. <i>Small</i> , 2021, 17, e2006795.	10.0	36
11	Ambient Pressure Sublimation Technique Provides Polymorph-Selective Perylene Nonlinear Optical Microcavities. <i>Advanced Optical Materials</i> , 2020, 8, 1901317.	7.3	36
12	Mechanophotonics: precise selection, assembly and disassembly of polymer optical microcavities <i>via</i> mechanical manipulation for spectral engineering. <i>Nanoscale Advances</i> , 2020, 2, 5584-5590.	4.6	13
13	Next-Generation Organic Photonics: The Emergence of Flexible Crystal Optical Waveguides. <i>Advanced Optical Materials</i> , 2020, 8, 2000959.	7.3	134
14	Mechanophotonics: Flexible Single-Crystal Organic Waveguides and Circuits. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13852-13858.	13.8	184
15	Mechanophotonics: Flexible Single-Crystal Organic Waveguides and Circuits. <i>Angewandte Chemie</i> , 2020, 132, 13956-13962.	2.0	37
16	Mechanical Actuation and Patterning of Rewritable Crystalline Monomer~Polymer Heterostructures via Topochemical Polymerization in a Dual-Responsive Photochromic Organic Material. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 16856-16863.	8.0	21
17	Direct micro-scale monitoring of molecular aggregation, its growth and diffusion <i>via</i> aggregation-induced emission. <i>Soft Matter</i> , 2020, 16, 2664-2668.	2.7	2
18	Micromanipulation of Mechanically Compliant Organic Single-Crystal Optical Microwaveguides. <i>Angewandte Chemie</i> , 2020, 132, 13925-13934.	2.0	30

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19	Micromanipulation of Mechanically Compliant Organic Single-Crystal Optical Microwaveguides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13821-13830.	13.8	129
20	Multifunctional Chiral $\pi$ -Conjugated Polymer Microspheres: Production and Confinement of NLO signal, Detection of Circularly Polarized Light, and Display of Laser-Triggered NLO Emission Shifts. <i>Advanced Optical Materials</i> , 2020, 8, 2000431.	7.3	21
21	Vapour-Phase Epitaxial Growth of Dual-Colour-Emitting DCM-Perylene Micro-Heterostructure Optical Waveguides. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4577-4581.	3.3	32
22	A Facile Sunlight-Induced Synthesis of Phenylalanine-Conjugated Cholic Acid-Stabilized Silver and Gold Nanoparticles for Colorimetric Detection of Toxic $Hg^{2+}$ , $Cr^{6+}$ and $Pb^{2+}$ Ions. <i>ChemistrySelect</i> , 2019, 4, 6557-6567.	1.5	11
23	High Optical Energy Storage and Two-Photon Luminescence from Solution-Processed Perovskite-Polystyrene Composite Microresonators. <i>ACS Applied Energy Materials</i> , 2019, 2, 428-435.	5.1	15
24	2D Arrangement of Polymer Microsphere Photonic Cavities Doped with Novel N-Rich Carbon Quantum Dots Display Enhanced One- and Two-Photon Luminescence Driven by Optical Resonances. <i>Advanced Optical Materials</i> , 2017, 5, 1700695.	7.3	21
25	Polymorphism and microcrystal shape dependent luminescence, optical waveguiding and resonator properties of coumarin-153. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7262-7269.	5.5	27