

# Paola Lova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5093229/publications.pdf>

Version: 2024-02-01

51  
papers

1,183  
citations

361045

20  
h-index

395343

33  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1017  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Functional Solution Processed Planar 1D Photonic Crystals. <i>Advanced Optical Materials</i> , 2018, 6, 1800730.	3.6	145
2	Polymer Distributed Bragg Reflectors for Vapor Sensing. <i>ACS Photonics</i> , 2015, 2, 537-543.	3.2	100
3	Label-Free Vapor Selectivity in Poly( <i>p</i> -Phenylene Oxide) Photonic Crystal Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 31941-31950.	4.0	93
4	Boron Carbon Nitride Thin Films: From Disordered to Ordered Conjugated Ternary Materials. <i>Journal of the American Chemical Society</i> , 2020, 142, 20883-20891.	6.6	58
5	Shine Bright Like a Diamond: New Light on an Old Polymeric Semiconductor. <i>Advanced Materials</i> , 2020, 32, e1908140.	11.1	57
6	Luminescent solar concentrators: boosted optical efficiency by polymer dielectric mirrors. <i>Materials Chemistry Frontiers</i> , 2019, 3, 429-436.	3.2	52
7	All-Polymer Photonic Microcavities Doped with Perylene Bisimide Aggregates. <i>Advanced Optical Materials</i> , 2017, 5, 1700523.	3.6	51
8	Intelligent Packaging for Real-Time Monitoring of Food-Quality: Current and Future Developments. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3532.	1.3	44
9	Directional Fluorescence Spectral Narrowing in All-Polymer Microcavities Doped with CdSe/CdS Dot-in-Rod Nanocrystals. <i>ACS Photonics</i> , 2017, 4, 1761-1769.	3.2	42
10	Engineering the Emission of Broadband 2D Perovskites by Polymer Distributed Bragg Reflectors. <i>ACS Photonics</i> , 2018, 5, 867-874.	3.2	38
11	Flory-Huggins Photonic Sensors for the Optical Assessment of Molecular Diffusion Coefficients in Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16872-16880.	4.0	36
12	Colorimetric Detection of Perfluorinated Compounds by All-Polymer Photonic Transducers. <i>ACS Omega</i> , 2018, 3, 7517-7522.	1.6	31
13	Hybrid ZnO:polystyrene nanocomposite for all-polymer photonic crystals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 158-162.	0.8	30
14	All-polymer methylammonium lead iodide perovskite microcavities. <i>Nanoscale</i> , 2019, 11, 8978-8983.	2.8	30
15	Lasing from dot-in-rod nanocrystals in planar polymer microcavities. <i>RSC Advances</i> , 2018, 8, 13026-13033.	1.7	28
16	Selective Polymer Distributed Bragg Reflector Vapor Sensors. <i>Polymers</i> , 2018, 10, 1161.	2.0	28
17	Nanocomposite alginate-based electrospun membranes as novel adsorbent systems. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1939-1948.	3.6	28
18	Effect of sodium alginate molecular structure on electrospun membrane cell adhesion. <i>Materials Science and Engineering C</i> , 2021, 124, 112067.	3.8	27

#	ARTICLE	IF	CITATIONS
19	Charge Redistribution at GaAs/P3HT Heterointerfaces with Different Surface Polarity. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3303-3309.	2.1	22
20	Strategies for Dielectric Contrast Enhancement in 1D Planar Polymeric Photonic Crystals. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4122.	1.3	22
21	Black GaAs by Metal-Assisted Chemical Etching. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 33434-33440.	4.0	21
22	Aquivionâ€“Poly(2-vinylcarbazole) Holistic Floryâ€“Huggins Photonic Vapor Sensors. <i>Advanced Optical Materials</i> , 2021, 9, 2002006.	3.6	19
23	Mild Solâ€“Gel Conditions and High Dielectric Contrast: A Facile Processing toward Large-Scale Hybrid Photonic Crystals for Sensing and Photocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19806-19817.	4.0	17
24	Into the Blue: Ketene Multicomponent Reactions under Visible Light. <i>Journal of Organic Chemistry</i> , 2021, 86, 5845-5851.	1.7	16
25	Universal Design Rules for Floryâ€“Huggins Polymer Photonic Vapor Sensors. <i>Advanced Functional Materials</i> , 2021, 31, 2009626.	7.8	15
26	Thin Polymer Films: Simple Optical Determination of Molecular Diffusion Coefficients. <i>ACS Applied Polymer Materials</i> , 2020, 2, 563-568.	2.0	14
27	High Refractive Index Inverse Vulcanized Polymers for Organic Photonic Crystals. <i>Crystals</i> , 2020, 10, 154.	1.0	12
28	Prevention of Covid-19 Infection and Related Complications by Ozonized Oils. <i>Journal of Personalized Medicine</i> , 2021, 11, 226.	1.1	11
29	Multilayer Polymer Photonic Aegises Against Near-Infrared Solar Irradiation Heating. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 14550-14560.	4.0	11
30	Structural studies on copper and nitrogen doped nanosized anatase. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 867-876.	0.4	9
31	Sodium Alginate Cross-Linkable Planar 1D Photonic Crystals as a Promising Tool for Pb <sup>2+</sup> Detection in Water. <i>Chemosensors</i> , 2020, 8, 37.	1.8	9
32	On the development of electrochemical sensors coated with polycaprolactone. <i>Electrochemistry Communications</i> , 2021, 129, 107089.	2.3	9
33	Solution Processed Polymer-ABX <sub>4</sub> Perovskite-Like Microcavities. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5203.	1.3	8
34	Polymeric Planar Microcavities Doped with a Europium Complex. <i>Crystals</i> , 2020, 10, 287.	1.0	8
35	All-Polymer Microcavities for the Fluorescence Radiative Rate Modification of a Diketopyrrolopyrrole Derivative. <i>ACS Omega</i> , 2022, 7, 15499-15506.	1.6	7
36	Label-free vapor selectivity by polymer-inorganic composite photonic crystals sensors. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	6

#	ARTICLE	IF	CITATIONS
37	Nanoimprint Lithography: Toward Functional Photonic Crystals. , 2015, , 187-212.		5
38	Core-shell silica-rhodamine B nanosphere for synthetic opals: from fluorescence spectral redistribution to sensing. RSC Advances, 2020, 10, 14958-14964.	1.7	5
39	(INVITED)Planar microcavities: Materials and processing for light control. Optical Materials: X, 2022, 13, 100130.	0.3	5
40	Black GaAs: Gold-Assisted Chemical Etching for Light Trapping and Photon Recycling. Micromachines, 2020, 11, 573.	1.4	4
41	Aquivion Poly(vinylcarbazole) Holistic Flory-Huggins Photonic Vapor Sensors (Advanced) Tj ETQq1.1.0.784314 rgBT /Dv	3.6	3
42	2,5-Diisopropenylthiophene by Suzuki-Miyaura cross-coupling reaction and its exploitation in inverse vulcanization: a case study. RSC Advances, 2022, 12, 8924-8935.	1.7	3
43	Composite Poly(vinyl alcohol)-Based Nanofibers Embedding Differently-Shaped Gold Nanoparticles: Preparation and Characterization. Polymers, 2021, 13, 1604.	2.0	2
44	Directional fluorescence shaping and lasing in all-polymer microcavities doped with CdSe/CdS dot-in-rod nanocrystals. , 2017, , .		1
45	Light scattering approach to the in situ measurement of polymer crystallization during 3D printing: A feasibility study. Polymer Crystallization, 2021, 4, e10182.	0.5	1
46	A new method for the determination of molecular diffusion coefficient in polymer films by simple UV-VIS spectroscopy. AIP Conference Proceedings, 2019, , .	0.3	0
47	Tailoring the properties of polymers for photonic applications with optical nanocomposites. AIP Conference Proceedings, 2019, , .	0.3	0
48	Reshaping Hybrid Perovskites Emission with Flexible Polymer Microcavities. EPJ Web of Conferences, 2020, 230, 00006.	0.1	0
49	All-polymer Planar Photonic Crystals as an Innovative Tool for the Analysis of Air. EPJ Web of Conferences, 2020, 230, 00007.	0.1	0
50	Photonic Vapor Sensors: Universal Design Rules for Flory-Huggins Polymer Photonic Vapor Sensors (Adv. Funct. Mater. 9/2021). Advanced Functional Materials, 2021, 31, 2170062.	7.8	0
51	Structural Transitions During Formation and Rehydration of Proton Conducting Polymeric Membranes. Macromolecular Rapid Communications, 2021, 42, 2000717.	2.0	0