Davide Comoretto

List of Publications by Year
in descending order

170 papers	3,286 citations	147801 31 h-index	197818 49 g-index
175 all docs	175 docs citations	175 times ranked	2884 citing authors

#	Article	IF	Citations
1	Self-Organization of Polystyrenes into Ordered Microstructured Films and Their Replication by Soft Lithography. Langmuir, 2005, 21, 3480-3485.	3.5	165
2	Advances in Functional Solution Processed Planar 1D Photonic Crystals. Advanced Optical Materials, 2018, 6, 1800730.	7.3	145
3	Colloidal Photonic Crystals Doped with Gold Nanoparticles: Spectroscopy and Optical Switching Properties. Advanced Functional Materials, 2007, 17, 2779-2786.	14.9	102
4	Polymer Distributed Bragg Reflectors for Vapor Sensing. ACS Photonics, 2015, 2, 537-543.	6.6	100
5	Band structure and optical properties of opal photonic crystals. Physical Review B, 2005, 72, .	3.2	98
6	Label-Free Vapor Selectivity in Poly(p-Phenylene Oxide) Photonic Crystal Sensors. ACS Applied Materials & Interfaces, 2016, 8, 31941-31950.	8.0	93
7	Triplet-Exciton Generation Mechanism in a New Soluble (Red-Phase) Polydiacetylene. Physical Review Letters, 2001, 87, .	7.8	71
8	Long-lived photoexcited states in symmetrical polydicarbazolyldiacetylene. Physical Review B, 1993, 48, 7850-7856.	3.2	66
9	Lasing from all-polymer microcavities. Laser Physics Letters, 2014, 11, 035804.	1.4	65
10	Optical constants of highly stretch-oriented poly(p-phenylene-vinylene): A joint experimental and theoretical study. Physical Review B, 2000, 62, 10173-10184.	3.2	63
11	Solvation Effects and Inhomogeneous Broadening in Optical Spectra of Phenol Blue. Journal of Physical Chemistry A, 2000, 104, 11049-11054.	2.5	62
12	Shine Bright Like a Diamond: New Light on an Old Polymeric Semiconductor. Advanced Materials, 2020, 32, e1908140.	21.0	57
13	Directional Enhancement of Spontaneous Emission in Polymer Flexible Microcavities. Journal of Physical Chemistry C, 2011, 115, 19939-19946.	3.1	56
14	Ultrafast exciton dynamics in highly oriented polydiacetylene films. Applied Physics Letters, 1994, 65, 590-592.	3.3	52
15	Luminescent solar concentrators: boosted optical efficiency by polymer dielectric mirrors. Materials Chemistry Frontiers, 2019, 3, 429-436.	5.9	52
16	Allâ€Polymer Photonic Microcavities Doped with Perylene Bisimide Jâ€Aggregates. Advanced Optical Materials, 2017, 5, 1700523.	7.3	51
17	Second Harmonic Generation Circular Dichroism from Selfâ€Ordered Hybrid Plasmonicâ€“Photonic Nanosurfaces. Advanced Optical Materials, 2014, 2, 208-213.	7.3	46
18	Demonstration of fluorescence enhancement via Bloch surface waves in all-polymer multilayer structures. Physical Chemistry Chemical Physics, 2016, 18, 14086-14093.	2.8	46

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19	Hybrid Plasmonicâ€“Photonic Nanostructures: Gold Nanocrescents Over Opals. Advanced Optical Materials, 2013, 1, 389-396.	7.3	44
20	Triplet exciton generation and decay in a red polydiacetylene studied by femtosecond spectroscopy. Chemical Physics Letters, 1999, 313, 525-532.	2.6	43
21	Strong coupling between excitons in organic semiconductors and Bloch surface waves. Applied Physics Letters, 2014, 104, 051111.	3.3	43
22	Directional Fluorescence Spectral Narrowing in All-Polymer Microcavities Doped with CdSe/CdS Dot-in-Rod Nanocrystals. ACS Photonics, 2017, 4, 1761-1769.	6.6	42
23	High refractive index hyperbranched polyvinylsulfides for planar oneâ€dimensional allâ€polymer photonic crystals. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 73-80.	2.1	41
24	Light Localization Effect on the Optical Properties of Opals Doped with Gold Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 6293-6298.	3.1	40
25	Engineering the Emission of Broadband 2D Perovskites by Polymer Distributed Bragg Reflectors. ACS Photonics, 2018, 5, 867-874.	6.6	38
26	Third order optical characterisation of a Ï€-conjugated polydiacetylene by Maker fringes technique. Synthetic Metals, 2002, 127, 143-146.	3.9	37
27	Cellulose ternary photonic crystal created by solution processing. Cellulose, 2016, 23, 2853-2862.	4.9	37
28	Floryâ€“Huggins Photonic Sensors for the Optical Assessment of Molecular Diffusion Coefficients in Polymers. ACS Applied Materials & Interfaces, 2019, 11, 16872-16880.	8.0	36
29	Anisotropic photoluminescence properties of oriented poly(p-phenylene-vinylene) films: Effects of dispersion of optical constants. Physical Review B, 2007, 75, .	3.2	34
30	One Dimensional Polymeric Organic Photonic Crystals for DFB Lasers. International Journal of Photoenergy, 2008, 2008, 1-4.	2.5	33
31	PTFEâ€“PMMA coreâ€shell colloidal particles as building blocks for selfâ€assembled opals: synthesis, properties and optical response. Polymer International, 2012, 61, 1294-1301.	3.1	32
32	SERS Amplification from Self-Organized Arrays of Plasmonic Nanocrescents. ACS Applied Materials & Interfaces, 2016, 8, 6629-6638.	8.0	32
33	Polarized reflectivity spectra of stretch-oriented poly(p-phenylene-vinylene). Chemical Physics Letters, 1998, 289, 1-7.	2.6	31
34	Supramolecular organization in the solid state of a novel soluble polydiacetylene. Liquid Crystals, 1999, 26, 1437-1444.	2.2	31
35	Colorimetric Detection of Perfluorinated Compounds by All-Polymer Photonic Transducers. ACS Omega, 2018, 3, 7517-7522.	3.5	31
36	Spectroscopic Investigation of Artificial Opals Infiltrated with a Heteroaromatic Quadrupolar Dye. Journal of Physical Chemistry C, 2010, 114, 2403-2413.	3.1	30

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37	Fluorescence excitation enhancement by Bloch surface wave in all-polymer one-dimensional photonic structure. Applied Physics Letters, 2014, 105, .	3.3	30
38	Hybrid ZnO:polystyrene nanocomposite for allâ€polymer photonic crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 158-162.	0.8	30
39	All-polymer methylammonium lead iodide perovskite microcavities. Nanoscale, 2019, 11, 8978-8983.	5.6	30
40	Lasing from dot-in-rod nanocrystals in planar polymer microcavities. RSC Advances, 2018, 8, 13026-13033.	3.6	28
41	Optical properties and long-lived charged photoexcitations in polydiacetylenes. Physical Review B, 1994, 49, 8059-8066.	3.2	27
42	Synthesis and optical properties of a novel soluble polycarbazolyldiacetylene. Macromolecular Chemistry and Physics, 1996, 197, 1241-1253.	2.2	27
43	Orientation of Polydiacetylene and Poly(p-phenylene ethynylene) Films by Epitaxy and Rubbing. Macromolecules, 2001, 34, 7091-7099.	4.8	27
44	Effect of sodium alginate molecular structure on electrospun membrane cell adhesion. Materials Science and Engineering C, 2021, 124, 112067.	7.3	27
45	Growth and optical studies of opal films as three-dimensional photonic crystals. Materials Science and Engineering C, 2003, 23, 61-65.	7.3	25
46	Photochromic and photomechanical responses of an amorphous diarylethene-based polymer: a spectroscopic ellipsometry investigation of ultrathin films. Journal of Materials Chemistry C, 2014, 2, 4692-4698.	5.5	25
47	Singlet Fission in Luminescent and Nonluminescent II-conjugated Polymers. Synthetic Metals, 1999, 101, 267-268.	3.9	24
48	Photoinduced absorption of oriented poly[1,6-di(N-carbazolyl)-2,4-hexadiyne]. Physical Review B, 1996, 53, 15653-15659.	3.2	23
49	Raman Spectra of Poly(pâ€phenylenevinylene)s with Fluorinated Vinylene Units: Evidence of Interâ€ring Distortion. ChemPhysChem, 2009, 10, 1284-1290.	2.1	23
50	Strategies for Dielectric Contrast Enhancement in 1D Planar Polymeric Photonic Crystals. Applied Sciences (Switzerland), 2020, 10, 4122.	2.5	22
51	Two-Photon Spectroscopy of Ï€-Conjugated Polymers:â€‰ The Case of Poly[1,6-bis(3,6-dihexadecyl-N-carbazolyl)-2,4-hexadiyne] (PolyDCHD-HS). Journal of Physical Chemistry A, 2001, 105, 7759-7764.	2.5	21
52	Black GaAs by Metal-Assisted Chemical Etching. ACS Applied Materials & Interfaces, 2018, 10, 33434-33440.	8.0	21
53	Interchain interactions in polyacetylene: Optical properties and photoconductive response. Physical Review B, 1992, 46, 10041-10047.	3.2	20
54	Photoexcitations in polycarbazolyldiacetylenes. Physical Review B, 1992, 45, 6802-6808.	3.2	20

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55	Long-lived photoexcited states in polydiacetylenes with different molecular and supramolecular organization. Physical Review B, 1997, 56, 10264-10270.	3.2	20
56	Real-time observation of coherent nuclear motion in polydiacetylene isolated chains. Physical Review B, 2004, 69, .	3.2	19
57	Highly oriented poly(paraphenylene vinylene): Polarized optical spectroscopy under pressure. Physical Review B, 2009, 79, .	3.2	19
58	Aquivionâ€“Poly(Nâ€vinylcarbazole) Holistic Floryâ€“Huggins Photonic Vapor Sensors. Advanced Optical Materials, 2021, 9, 2002006.	7.3	19
59	Long-lived photoexcited states in polydiacetylenes:â€ƒThe photoinduced-absorption spectra of PDA-4BCMU. Physical Review B, 1998, 57, 7071-7078.	3.2	18
60	Amplified spontaneous emission from opal photonic crystals engineered with structural defects. Physical Chemistry Chemical Physics, 2009, 11, 11515.	2.8	18
61	Optical properties of potassium acid phthalate. Journal of Materials Research, 1997, 12, 1262-1267.	2.6	17
62	Linear and nonlinear characterization of polyDCHD-HS films. Synthetic Metals, 2000, 115, 257-260.	3.9	17
63	Solution spectroscopic properties of polyDCHD-HS: a novel highly soluble polydiacetylene. Perkin Transactions II RSC, 2001, , 146-152.	1.1	17
64	Mild Solâ€“Gel Conditions and High Dielectric Contrast: A Facile Processing toward Large-Scale Hybrid Photonic Crystals for Sensing and Photocatalysis. ACS Applied Materials & Interfaces, 2022, 14, 19806-19817.	8.0	17
65	In-plane anisotropic photoresponse in all-polymer planar microcavities. Polymer, 2016, 84, 383-390.	3.8	16
66	Effect of interchain separation on the photoinduced absorption spectra of polycarbazolyldiacetylenes. Physical Review B, 1996, 54, 16357-16360.	3.2	15
67	Optical properties of highly oriented poly(p-phenylene-vinylene). Synthetic Metals, 2001, 124, 53-58.	3.9	15
68	Fluorescent polystyrene photonic crystals self-assembled with water-soluble conjugated polyrotaxanes. APL Materials, 2013, 1, .	5.1	15
69	Universal Design Rules for Floryâ€“Huggins Polymer Photonic Vapor Sensors. Advanced Functional Materials, 2021, 31, 2009626.	14.9	15
70	Optical properties of highly oriented fibrous polyacetylene. Physical Review B, 1990, 41, 3534-3539.	3.2	14
71	Optical properties and photoinduced absorptions in unsymmetrical polycarbazolydiacetylenes. Synthetic Metals, 1992, 51, 239-244.	3.9	14
72	Optical and electronic properties of neutral and charged oligodiacetylene clustersPresented at the LANMAT 2001 Conference on the Interaction of Laser Radiation with Matter at Nanoscopic Scales: From Single Molecule Spectroscopy to Materials Processing, Venice, 3â€“6 October, 2001.. Physical Chemistry Chemical Physics, 2002, 4, 2754-2761.	2.8	14

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73	A Multiâ€optical Collector of Sunlight Employing Luminescent Materials and Photonic Nanostructures. Advanced Optical Materials, 2016, 4, 147-155.	7.3	14
74	Thin Polymer Films: Simple Optical Determination of Molecular Diffusion Coefficients. ACS Applied Polymer Materials, 2020, 2, 563-568.	4.4	14
75	Mechanism of carrier generation in conducting polymers. Synthetic Metals, 1997, 84, 539-544.	3.9	13
76	Optical properties of films of polycarbazolyldiacetylene PDCHD-HS for photonic applications. Synthetic Metals, 2001, 116, 129-133.	3.9	13
77	Interferometric determination of the anisotropic refractive index dispersion of poly-(p-phenylene-vinylene). Applied Physics Letters, 2005, 86, 201119.	3.3	13
78	Fast Transient â€œPhotoconductivityâ€•in Semiconducting Polymers: Free Carrier Photocurrent or Displacement Current Generated by Electric-Field-Induced Polarization of Bound Excitons?. Synthetic Metals, 1997, 84, 559-562.	3.9	12
79	Chemical modulation of the electronic properties of polydiacetylenes. Journal of Molecular Structure, 2000, 521, 157-166.	3.6	12
80	In situ tuning of a photonic band gap with laser pulses. Applied Physics Letters, 2008, 93, 091111.	3.3	12
81	Preparation, Properties, and Self-Assembly Behavior of PTFE-Based Core-Shell Nanospheres. Journal of Nanomaterials, 2012, 2012, 1-15.	2.7	12
82	High Refractive Index Inverse Vulcanized Polymers for Organic Photonic Crystals. Crystals, 2020, 10, 154.	2.2	12
83	Photoinduced absorption spectra of poly[1,6-di(N-carbazolyl)-2,4-hexadiyne] (polyDCHD) by excitation on the carbazole group. Synthetic Metals, 1998, 94, 229-234.	3.9	11
84	Multilayer Polymer Photonic Aegises Against Near-Infrared Solar Irradiation Heating. ACS Applied Materials & Interfaces, 2022, 14, 14550-14560.	8.0	11
85	Photoexcitation studies in poly[1,6-di(N-carbazolyl)-2,4-hexadiyne]. Correlation of spectral features with the degree of order in polycrystalline samples. Synthetic Metals, 1994, 68, 33-37.	3.9	10
86	Polarization properties of a novel oriented polydiacetylene. Synthetic Metals, 1998, 95, 47-52.	3.9	10
87	A novel processable polydiacetylene for photonics studies. Synthetic Metals, 1999, 102, 943-944.	3.9	10
88	Sub-10 fs excited state evolution in polycarbazolyldiacetyleneâ€“polyethylene blends. Synthetic Metals, 2001, 116, 57-60.	3.9	10
89	Nonlinear optical response of a polycarbazolyldiacetylene film through femtosecond two-photon spectroscopy. Chemical Physics Letters, 2002, 363, 492-497.	2.6	10
90	Photoexcited states in epitaxially oriented polydiacetylene films. Synthetic Metals, 1996, 76, 27-29.	3.9	9

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91	Characterization of poly(3-decylmethoxythiophene) multilayers. Thin Solid Films, 1997, 299, 169-172.	1.8	9
92	Theoretical calculations of the geometries and of the lowest optical transitions of singly and doubly charged oligodiacetylenes. Synthetic Metals, 2001, 124, 179-181.	3.9	9
93	Photocatalyzed synthesis of isochromanones and isobenzofuranones under batch and flow conditions. Beilstein Journal of Organic Chemistry, 2017, 13, 1456-1462.	2.2	9
94	Sodium Alginate Cross-Linkable Planar 1D Photonic Crystals as a Promising Tool for Pb2+ Detection in Water. Chemosensors, 2020, 8, 37.	3.6	9
95	Vibrational properties of novel diacetylenic monomers. Journal of the Chemical Society Perkin Transactions II, 1998, , 2249-2254.	0.9	8
96	Polydiacetylenes for photonic application: chemical modulation of optical properties. Synthetic Metals, 2002, 127, 71-74.	3.9	8
97	Solution Processed Polymer-ABX4 Perovskite-Like Microcavities. Applied Sciences (Switzerland), 2019, 9, 5203.	2.5	8
98	Polymeric Planar Microcavities Doped with a Europium Complex. Crystals, 2020, 10, 287.	2.2	8
99	The spin signature of charged photoexcitations in carbazolyl substituted polydiacetylene. Journal of Chemical Physics, 1999, 111, 10354-10361.	3.0	7
100	Excited states of polydiacetylene oligomers. Synthetic Metals, 1999, 102, 1414-1415.	3.9	7
101	Quantum Chemical Calculations of the Electronic States and Fluorescence Properties of Carbazolyl- and Carbazolylmethylene-Substituted Diacetylenes. Journal of Physical Chemistry A, 1999, 103, 2857-2860.	2.5	7
102	Triplet excitons in acyl- and alkyl-substituted polycarbazolyldiacetylenes: A spectroscopical and photophysical study. Physical Review B, 2004, 69, .	3.2	7
103	Photoactive spherical colloids for opal photonic crystals. Polymer Composites, 2013, 34, 1443-1450.	4.6	7
104	Spin-Coated Polymer and Hybrid Multilayers and Microcavities. , 2015, , 77-101.		7
105	All-Polymer Microcavities for the Fluorescence Radiative Rate Modification of a Diketopyrrolopyrrole Derivative. ACS Omega, 2022, 7, 15499-15506.	3.5	7
106	Morphology and optical properties of bare and polydiacetylenes-infiltrated opals. Synthetic Metals, 2003, 139, 633-636.	3.9	6
107	Polarized optical and photoluminescence properties of highly oriented poly(p-phenylene-vinylene). Synthetic Metals, 2005, 153, 281-284.	3.9	6
108	Polarized pressure dependence of the anisotropic dielectric functions of highly oriented poly(p-phenylene vinylene). Journal of Applied Physics, 2010, 107, 073106.	2.5	6

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109	Distributed Bragg reflectors: Morphology of cellulose acetate and polystyrene multilayers. , 2014, , .		6
110	Label-free vapor selectivity by polymer-inorganic composite photonic crystals sensors. AIP Conference Proceedings, 2018, , .	0.4	6
111	Femtosecond transient bleaching decay in poly(alkyl-thiophene-vinylene)s in solution and in film. Solid State Communications, 1993, 86, 583-588.	1.9	5
112	Preparation and characterization of 14-[3,6-(didodecyl)-N-carbazolyl]tetradeca-10,12-diynoic acid LB multilayers. Thin Solid Films, 1996, 284-285, 36-38.	1.8	5
113	Films of a novel polydiacetylene for photonics studies. Synthetic Metals, 2000, 115, 275-277.	3.9	5
114	Experimental and theoretical studies of the anisotropical complex dielectric constant of highly stretch-oriented poly(p-phenylene-vinylene). Synthetic Metals, 2001, 116, 107-110.	3.9	5
115	Tuning optical properties of opal photonic crystals by structural defects engineering. Journal of the European Optical Society-Rapid Publications, 0, 4, .	1.9	5
116	Synthesis of Fluorescent Core-Shell Metal Nanohybrids: A Versatile Approach. Materials, 2016, 9, 997.	2.9	5
117	Photo-induced absorption spectra of a poly(p-phenylenevinylene) polymer with fluorinated double bonds. Organic Electronics, 2017, 43, 214-221.	2.6	5
118	Coreâ€“shell silicaâ€“rhodamine B nanosphere for synthetic opals: from fluorescence spectral redistribution to sensing. RSC Advances, 2020, 10, 14958-14964.	3.6	5
119	(INVITED)Planar microcavities: Materials and processing for light control. Optical Materials: X, 2022, 13, 100130.	0.8	5
120	Photoexcitations in polycarbazolyldiacetylenes in different time regimes. Synthetic Metals, 1993, 57, 5081-5087.	3.9	4
121	Photoexcitations of polycarbazolyldiacetylenes in different time domains. , 1997, , .		4
122	Theoretical absorption spectra of charged oligodiacetylenes. Synthetic Metals, 2001, 119, 611-612.	3.9	4
123	The anisotropical optical spectra of highly stretch-oriented poly(p-phenylene-vinylene). Synthetic Metals, 2001, 119, 643-644.	3.9	4
124	Photoinduced absorption spectra in polydiacetylenes for non linear optical applications. Synthetic Metals, 2003, 138, 75-78.	3.9	4
125	Theoretical Investigation of the Charge Injection Effects on the Electronic Properties of Substituted Oligodiacetylenes. Journal of Physical Chemistry B, 2004, 108, 11291-11300.	2.6	4
126	Morphology, band structure, and optical properties of artificial opals. , 2004, 5511, 135.		4

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127	Influence of Interchain Interactions on the Electronic Properties of Neutral and Charged Oligodiacetylenes Carrying Bulk Substituents. Journal of Physical Chemistry B, 2005, 109, 5485-5490.	2.6	4
128	Optical effects in artificial opals infiltrated with gold nanoparticles. , 2006, , .		4
129	Measurement of the circular dichroism in the second harmonic optical signal produced by Au covered self ordered dielectric nanospheres. , 2013, , .		4
130	C-Si hybrid photonic structures by full infiltration of conjugated polymers into porous silicon rugate filters. Nanomaterials and Nanotechnology, 2018, 8, 184798041878840.	3.0	4
131	Photoexcitations in carbazolyl substituted polydiacetylene (PDA) fullerene composites. Synthetic Metals, 1999, 101, 298-299.	3.9	3
132	Dielectric studies on conjugated polymers. Synthetic Metals, 1999, 101, 467-468.	3.9	3
133	Optical and electronic properties of thin PDAs films with very narrow excitonic bandwidth. Synthetic Metals, 2001, 119, 565-566.	3.9	3
134	Soluble polydiacetylenes: molecular properties and solid state organization. Synthetic Metals, 2001, 124, 253-255.	3.9	3
135	Preparation, properties and self-assembly behavior of PTFE based core-shell nanospheres. AIP Conference Proceedings, 2012, , .	0.4	3
136	High definition conductive carbon films from solution processing of nitrogen-containing oligomers. Carbon, 2015, 94, 1044-1051.	10.3	3
137	Aquivionâ€“Poly(Nâ€vinylcarbazole) Holistic Floryâ€“Huggins Photonic Vapor Sensors (Advanced) Tj ETQq1 1 0.784314 rgBT /	7.3	3
138	2,5-Diisopropenylthiophene by Suzukiâ€“Miyaura cross-coupling reaction and its exploitation in inverse vulcanization: a case study. RSC Advances, 2022, 12, 8924-8935.	3.6	3
139	Pump polarization anisotropy with above and below gap excitation in oriented (CH)x. Synthetic Metals, 1991, 43, 3515-3519.	3.9	2
140	Optical properties of epitaxially grown poly[1,6-di(N-carbazolyl)-2,4-hexadiyne]. Solid State Communications, 1997, 102, 485-488.	1.9	2
141	Dielectric, Raman, calorimetric and X-ray diffraction studies of a polycarbazolyldiacetylene. Synthetic Metals, 2001, 116, 207-211.	3.9	2
142	Orientation of thin films of conjugated systems by different techniques. Synthetic Metals, 2001, 124, 233-235.	3.9	2
143	Interchain interactions in oligodiacetylene aggregates. Synthetic Metals, 2003, 137, 877-879.	3.9	2
144	Polarized photoluminescence of highly oriented poly(p-phenylene-vinylene). , 2004, , .		2

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145	Emission properties of artificial opals infiltrated with a heteroaromatic quadrupolar dye. , 2008, , .		2
146	Second Harmonic Generation: Second Harmonic Generation Circular Dichroism from Self-Ordered Hybrid Plasmonic-Photonic Nanosurfaces (Advanced Optical Materials 3/2014). Advanced Optical Materials, 2014, 2, 207-207.	7.3	2
147	Tailoring of the circular dichroism produced by Au covered self-ordered dielectric nanospheres. Proceedings of SPIE, 2014, , .	0.8	2
148	Electronic and geometric defects in doped PPS oligomers. Synthetic Metals, 1993, 57, 4813-4819.	3.9	1
149	New evidence of long-lived photoexcited charged states in thin films of PDA-4BCMU. Synthetic Metals, 1999, 102, 941-942.	3.9	1
150	The photophysics of triplet excitons in substituted polycarbazolyldiacetylenes. Synthetic Metals, 2003, 139, 889-892.	3.9	1
151	Directional fluorescence shaping and lasing in all-polymer microcavities doped with CdSe/CdS dot-in-rod nanocrystals. , 2017, , .		1
152	Optical and Spectroscopic Properties of Conjugated Polymers. Springer Series in Materials Science, 2003, , 57-90.	0.6	1
153	Optical properties and long-lived carrier generation efficiency in oriented polyacetylene. Synthetic Metals, 1993, 55, 115-120.	3.9	0
154	Long-Lived Defects In Polycarbazolyld1 Acetylenes. Photoinduced Vis And Infrared Spectra. Materials Research Society Symposia Proceedings, 1993, 328, 739.	0.1	0
155	<title>Nature of long-lived photoexcited states in polydiacetylenes: the photoinduced absorption spectra of PDA-4BCMU</title>. , 1999, 3725, 122.		0
156	Optical Studies of Artificial Opals as 3D Photonic Crystals. Materials Research Society Symposia Proceedings, 2001, 708, 10191.	0.1	0
157	Optical Properties of Polystyrene Opals Infiltrated with Cyanine Dyes in the form of J-Aggregates. Materials Research Society Symposia Proceedings, 2004, 846, DD12.11.1.	0.1	0
158	Spectroscopical and photophysical investigations on polydiacetylenes with different ordering of the A g and B u excited states. , 2004, , .		0
159	Interchain interactions in charged diacetylenic oligomers carrying bulk substituents revisited. Materials Science and Engineering C, 2006, 26, 1044-1048.	7.3	0
160	Tailoring of linear response from plasmonic nano-resonators grown on a polystyrene. , 2014, , .		0
161	Room temperature Bloch surface wave polaritons. , 2014, , .		0
162	A new method for the determination of molecular diffusion coefficient in polymer films by simple UV-VIS spectroscopy. AIP Conference Proceedings, 2019, , .	0.4	0

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163	Tailoring the properties of polymers for photonic applications with optical nanocomposites. AIP Conference Proceedings, 2019, , .	0.4	0
164	Reshaping Hybrid Perovskites Emission with Flexible Polymer Microcavities. EPJ Web of Conferences, 2020, 230, 00006.	0.3	0
165	All-polymer Planar Photonic Crystals as an Innovative Tool for the Analysis of Air. EPJ Web of Conferences, 2020, 230, 00007.	0.3	0
166	Photonic Vapor Sensors: Universal Design Rules for Floryâ€“Huggins Polymer Photonic Vapor Sensors (Adv. Funct. Mater. 9/2021). Advanced Functional Materials, 2021, 31, 2170062.	14.9	0
167	Supramolecular Properties of Polymers for Plastic Electronics. , 2005, , .		0
168	Directional Photoluminescence Enhancement in Organic Flexible Microcavities. , 2011, , .		0
169	Photoexcitations in Polydiacetylenes. , 1994, , 197-204.		0
170	The Electrical Response of Real Dielectrics: Using the Voltage Ramp Method as a Straightforward Diagnostic Tool for Polymeric Composites. Materials, 2022, 15, 3829.	2.9	0