

Andrea Pucci

List of Publications by Year in descending order

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168
papers

5,047
citations

94269

37
h-index

118652

62
g-index

177
all docs

177
docs citations

177
times ranked

5607
citing authors

#	ARTICLE	IF	CITATIONS
1	Dye-containing polymers: methods for preparation of mechanochromic materials. <i>Chemical Society Reviews</i> , 2013, 42, 857-870.	18.7	377
2	Mechanochromic polymer blends. <i>Journal of Materials Chemistry</i> , 2011, 21, 8282.	6.7	204
3	Bis(benzoxazolyl)stilbene excimers as temperature and deformation sensors for biodegradable poly(1,4-butylene succinate) films. <i>Journal of Materials Chemistry</i> , 2007, 17, 783-790.	6.7	193
4	Polymer composites with smart optical properties. <i>Soft Matter</i> , 2011, 7, 3689.	1.2	161
5	H ₂ /air alkaline membrane fuel cell performance and durability, using novel ionomer and non-platinum group metal cathode catalyst. <i>Journal of Power Sources</i> , 2010, 195, 5875-5881.	4.0	153
6	Nanocomposites based on polyolefins and functional thermoplastic materials. <i>Polymer International</i> , 2008, 57, 805-836.	1.6	124
7	Aggregation-Induced Luminescence of Polyisobutene Succinic Anhydrides and Imides. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 900-906.	1.1	121
8	Optimization of an organic memristor as an adaptive memory element. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	121
9	Modulation of the Optical Response of Polyethylene Films Containing Luminescent Perylene Chromophores. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3668-3679.	1.2	115
10	Luminescent Bis(benzoxazolyl)stilbene as a Molecular Probe for Poly(propylene) Film Deformation. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1043-1048.	2.0	106
11	A temperature sensor based on a MWCNT/SEBS nanocomposite. <i>Sensors and Actuators A: Physical</i> , 2012, 178, 94-99.	2.0	101
12	New LDPE based anion-exchange membranes for alkaline solid polymeric electrolyte water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 14992-15002.	3.8	100
13	Nanocomposites Based on Thermoplastic Polymers and Functional Nanofiller for Sensor Applications. <i>Materials</i> , 2015, 8, 3377-3427.	1.3	75
14	Photoinduced formation of gold nanoparticles into vinyl alcohol based polymers. <i>Journal of Materials Chemistry</i> , 2006, 16, 1058-1066.	6.7	66
15	Consensus statement: Standardized reporting of power-producing luminescent solar concentrator performance. <i>Joule</i> , 2022, 6, 8-15.	11.7	66
16	Red-emitting AlEgen for luminescent solar concentrators. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1406-1412.	3.2	63
17	Aggregation-Induced Emission of Tetraphenylethylene in Styrene-Based Polymers. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 499-506.	1.1	59
18	Stochastic hybrid 3D matrix: learning and adaptation of electrical properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 22881.	6.7	54

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19	New anion conducting membranes based on functionalized styrene-butadiene-styrene triblock copolymer for fuel cells applications. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3437-3447.	2.5	53
20	Temperature- and pH-sensitive wearable materials for monitoring foot ulcers. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 949-954.	3.3	53
21	Luminescent solar concentrators: boosted optical efficiency by polymer dielectric mirrors. <i>Materials Chemistry Frontiers</i> , 2019, 3, 429-436.	3.2	52
22	Magnetism in Polymers with Embedded Gold Nanoparticles. <i>Advanced Materials</i> , 2007, 19, 875-877.	11.1	51
23	Synthesis of new red photoluminescent Zn(II)-salicylaldiminato complex. <i>Inorganic Chemistry Communication</i> , 2010, 13, 686-688.	1.8	49
24	Reversible vapochromic response of polymer films doped with a highly emissive molecular rotor. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9224-9232.	2.7	48
25	Mechanochromic Fluorescent Polymers with Aggregation-Induced Emission Features. <i>Sensors</i> , 2019, 19, 4969.	2.1	48
26	Intrinsic self-healing thermoset through covalent and hydrogen bonding interactions. <i>European Polymer Journal</i> , 2016, 81, 186-197.	2.6	47
27	Unexpected polarization behavior at the aperture of hollow-pyramid near-field probes. <i>Applied Physics Letters</i> , 2005, 87, 223112.	1.5	46
28	Julolidine fluorescent molecular rotors as vapour sensing probes in polystyrene films. <i>Dyes and Pigments</i> , 2015, 113, 47-54.	2.0	45
29	New Terthiophene Derivatives for Ultrahigh Molecular Weight Polyethylene-Based Absorption Polarizers. <i>Macromolecules</i> , 2001, 34, 2129-2137.	2.2	44
30	Computational Design, Synthesis, and Mechanochromic Properties of New Thiophene-Based Conjugated Chromophores. <i>Chemistry - A European Journal</i> , 2013, 19, 1996-2004.	1.7	43
31	Luminescent solar concentrators based on PMMA films obtained from a red-emitting ATRP initiator. <i>Polymer Chemistry</i> , 2018, 9, 1168-1177.	1.9	43
32	Luminescent Solar Concentrators Based on Aggregation Induced Emission. <i>Israel Journal of Chemistry</i> , 2018, 58, 837-844.	1.0	43
33	Enhancing optical efficiency of thin-film luminescent solar concentrators by combining energy transfer and stacked design. <i>Journal of Luminescence</i> , 2016, 171, 215-220.	1.5	41
34	Modified Z-scan techniques for investigations of nonlinear chiroptical effects. <i>Optics Express</i> , 2004, 12, 5209.	1.7	40
35	A new polystyrene-based ionomer/MWCNT nanocomposite for wearable skin temperature sensors. <i>Reactive and Functional Polymers</i> , 2014, 76, 57-62.	2.0	40
36	Luminescent nanocomposites containing CdS nanoparticles dispersed into vinyl alcohol based polymers. <i>Reactive and Functional Polymers</i> , 2008, 68, 1144-1151.	2.0	39

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37	Factors affecting the dispersion of MWCNTs in electrically conducting SEBS nanocomposites. <i>European Polymer Journal</i> , 2013, 49, 1471-1478.	2.6	39
38	Threshold temperature luminescent indicators from biodegradable poly(lactic acid)/poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	6.7	38
39	Dichroic Properties of Bis(benzoxazolyl)stilbene and Bis(benzoxazolyl)thiophene Dispersed into Oriented Polyethylene Films: A Combined Experimental and Density Functional Theory Approach. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3127-3134.	1.2	37
40	Fluorescent Polystyrene Films for the Detection of Volatile Organic Compounds Using the Twisted Intramolecular Charge Transfer Mechanism. <i>Molecules</i> , 2017, 22, 1306.	1.7	37
41	Improving the Energy Efficiency of Direct Formate Fuel Cells with a Pd/C-CeO ₂ Anode Catalyst and Anion Exchange Ionomer in the Catalyst Layer. <i>Energies</i> , 2018, 11, 369.	1.6	36
42	Gold nanoparticles-polyaniline composite material: Synthesis, structure and electrical properties. <i>Synthetic Metals</i> , 2011, 161, 1408-1413.	2.1	35
43	Evidence and use of metal-chromophore interactions: luminescence dichroism of terthiophene-coated gold nanoparticles in polyethylene oriented films. <i>Journal of Materials Chemistry</i> , 2004, 14, 3495-3502.	6.7	34
44	Green-blue luminescence dichroism of cyano-containing poly[(m-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (ethynylene) 46, 11198-11205.	1.8	34
45	Cost-effective solar concentrators based on red fluorescent Zn(scp>ii</scp>)salicylaldimato complex. <i>RSC Advances</i> , 2016, 6, 17474-17482.	1.7	34
46	Thermally reversible rubber-toughened thermoset networks via Diels-Alder chemistry. <i>European Polymer Journal</i> , 2016, 74, 229-240.	2.6	34
47	Absorption and Emission Dichroism of Polyethylene Films with Molecularly Dispersed Push-Pull Terthiophenes. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 102-111.	1.1	33
48	Synthesis, characterization, DNA interaction and potential applications of gold nanoparticles functionalized with Acridine Orange fluorophores. <i>Dalton Transactions</i> , 2011, 40, 4190.	1.6	32
49	N-alkyl diketopyrrolopyrrole-based fluorophores for luminescent solar concentrators: Effect of the alkyl chain on dye efficiency. <i>Dyes and Pigments</i> , 2016, 135, 154-162.	2.0	32
50	Electrically Self-Healing Thermoset MWCNTs Composites Based on Diels-Alder and Hydrogen Bonds. <i>Polymers</i> , 2019, 11, 1885.	2.0	32
51	Temperature and chemical environment effects on the aggregation extent of water soluble perylene dye into vinyl alcohol-containing polymers. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6276.	1.3	31
52	Luminescent Solar Concentrators Based on Renewable Polyester Matrices. <i>Chemistry - an Asian Journal</i> , 2019, 14, 877-883.	1.7	31
53	Room temperature amine sensors enabled by sidewall functionalization of single-walled carbon nanotubes. <i>RSC Advances</i> , 2018, 8, 5578-5585.	1.7	30
54	Conferring dichroic properties and optical responsiveness to polyolefins through organic chromophores and metal nanoparticles. <i>Progress in Organic Coatings</i> , 2007, 58, 105-116.	1.9	29

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55	A fast and effective procedure for the optical efficiency determination of luminescent solar concentrators. <i>Solar Energy</i> , 2015, 119, 452-460.	2.9	29
56	A push-pull silafluorene fluorophore for highly efficient luminescent solar concentrators. <i>RSC Advances</i> , 2017, 7, 37302-37309.	1.7	27
57	Green/Yellow-Emitting Conjugated Heterocyclic Fluorophores for Luminescent Solar Concentrators. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2657-2666.	1.2	27
58	Synthesis of new bis[1-(thiophenyl)propynones] as potential organic dyes for colorless luminescent solar concentrators (LSCs). <i>Dyes and Pigments</i> , 2020, 174, 108100.	2.0	27
59	Thermal and Sun-Promoted Generation of Silver Nanoparticles Embedded into Poly(vinyl alcohol) Films. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 256-264.	1.7	25
60	Alder-ene addition of maleic anhydride to polyisobutene: nuclear magnetic resonance evidence for an unconventional mechanism. <i>Polymer International</i> , 2012, 61, 1256-1262.	1.6	25
61	X-ray Magnetic Circular Dichroism and Small Angle Neutron Scattering Studies of Thiol Capped Gold Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6434-6438.	0.9	24
62	Polymer Nanocomposites Containing Anisotropic Metal Nanostructures as Internal Strain Indicators. <i>Materials</i> , 2010, 3, 1461-1477.	1.3	23
63	Langmuir-Schaefer films of a polyaniline-gold nanoparticle composite material for applications in organic memristive devices. <i>RSC Advances</i> , 2011, 1, 1537.	1.7	23
64	Colourless p-phenylene-spaced bis-azoles for luminescent concentrators. <i>Dyes and Pigments</i> , 2016, 134, 118-128.	2.0	23
65	Fluorescent vapochromism in synthetic polymers. <i>Polymer International</i> , 2016, 65, 609-620.	1.6	23
66	Aggregation induced emission: a land of opportunities. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1689-1690.	3.2	23
67	Thermochromic polyethylene films doped with perylene chromophores: experimental evidence and methods for characterization of their phase behaviour. <i>Polymer Chemistry</i> , 2015, 6, 4003-4012.	1.9	22
68	Vapochromic features of new luminogens based on julolidine-containing styrene copolymers. <i>Faraday Discussions</i> , 2017, 196, 113-129.	1.6	22
69	Autopsy after transcatheter aortic valve implantation. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017, 470, 331-339.	1.4	21
70	Hue-based quantification of mechanochromism towards a cost-effective detection of mechanical strain in polymer systems. <i>Chemical Communications</i> , 2017, 53, 248-251.	2.2	21
71	Alder ene functionalization of polyisobutene oligomer and styrene-butadiene-styrene triblock copolymer. <i>Polymer</i> , 2005, 46, 1497-1505.	1.8	20
72	New Cyclic Olefin Copolymer for the Preparation of Thermally Responsive Luminescent Films. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 728-735.	1.1	20

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73	Tris(4-ethynylphenyl)amine Fluorophores: Synthesis, Characterisation and Test of Performances in Luminescent Solar Concentrators. <i>ChemistrySelect</i> , 2018, 3, 1749-1754.	0.7	20
74	Boosting the NIR reflective properties of perylene organic coatings with thermoplastic hollow microspheres: Optical and structural properties by a multi-technique approach. <i>Solar Energy</i> , 2020, 198, 689-695.	2.9	20
75	Efficient 1400-1600-nm Circularly Polarized Luminescence from a Tuned Chiral Erbium Complex. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	20
76	Biodegradable Nano- and Microparticles with Controlled Surface Properties. <i>Macromolecular Symposia</i> , 2005, 226, 239-252.	0.4	19
77	Controlling the dynamics of a bidimensional gel above and below its percolation transition. <i>Physical Review E</i> , 2014, 89, 042308.	0.8	19
78	Cross-linking of rubber in the presence of multi-functional cross-linking aids via thermoreversible Diels-Alder chemistry. <i>European Polymer Journal</i> , 2016, 82, 208-219.	2.6	19
79	Epoxy resin doped with Coumarin 6: Example of accessible luminescent collectors. <i>European Polymer Journal</i> , 2017, 89, 23-33.	2.6	19
80	Electrically-Responsive Reversible Polyketone/MWCNT Network through Diels-Alder Chemistry. <i>Polymers</i> , 2018, 10, 1076.	2.0	19
81	Association phenomena of a chiral perylene derivative in solution and in poly(ethylene) dispersion. <i>Reactive and Functional Polymers</i> , 2010, 70, 951-960.	2.0	18
82	Non-covalent interactions of cadmium sulphide and gold nanoparticles with DNA. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2241-2253.	0.8	18
83	Aggregation Effects on Pigment Coatings: Pigment Red 179 as a Case Study. <i>ACS Omega</i> , 2019, 4, 20315-20323.	1.6	18
84	Near-field optical microscopy of polymer-based films with dispersed terthiophene chromophores for polarizer applications. <i>Nanotechnology</i> , 2004, 15, S270-S275.	1.3	17
85	Understanding the aggregation of bis(benzoxazolyl)stilbene in PLA/PBS blends: a combined spectrofluorimetric, calorimetric and solid state NMR approach. <i>Polymer Chemistry</i> , 2014, 5, 828-835.	1.9	17
86	Benzo[1,2-d:4,5-d']bisthiazole fluorophores for luminescent solar concentrators: synthesis, optical properties and effect of the polymer matrix on the device performances. <i>Dyes and Pigments</i> , 2021, 188, 109207.	2.0	17
87	Polymerizable ionic liquids for the preparation of polystyrene/clay composites. <i>Polymer International</i> , 2012, 61, 426-433.	1.6	16
88	The self-assembly over nano- to submicro-length scales in water of a fluorescent julolidine-labeled amphiphilic random terpolymer. <i>Journal of Polymer Science Part A</i> , 2018, 56, 797-804.	2.5	16
89	Photophysical properties of new p-phenylene- and benzodithiophene-based fluorophores for luminescent solar concentrators (LSCs). <i>Dyes and Pigments</i> , 2020, 178, 108368.	2.0	16
90	Structural order and NIR reflective properties of perylene bisimide pigments: Experimental evidences from a combined multi-technique study. <i>Dyes and Pigments</i> , 2020, 179, 108401.	2.0	16

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91	Luminescent solar concentrators with outstanding optical properties by employment of Dâ€“Aâ€“D quinoxaline fluorophores. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15608-15621.	2.7	16
92	Effects of thermal annealing on SEBS/MWCNTs temperature-sensitive nanocomposites for the measurement of skin temperature. <i>Materials Chemistry and Physics</i> , 2017, 186, 456-461.	2.0	15
93	Thermoreversibly Cross-Linked EPM Rubber Nanocomposites with Carbon Nanotubes. <i>Nanomaterials</i> , 2018, 8, 58.	1.9	15
94	An easy synthetic way to exfoliate and stabilize MWCNTs in a thermoplastic pyrrole-containing matrix assisted by hydrogen bonds. <i>RSC Advances</i> , 2016, 6, 85829-85837.	1.7	14
95	Effect of the Polyketone Aromatic Pendent Groups on the Electrical Conductivity of the Derived MWCNTs-Based Nanocomposites. <i>Polymers</i> , 2018, 10, 618.	2.0	14
96	High-Performance Luminescent Solar Concentrators Based on Poly(Cyclohexylmethacrylate) (PCHMA) Films. <i>Polymers</i> , 2020, 12, 2898.	2.0	14
97	Redâ€“emitting tetraphenylethylene derivative with aggregationâ€“induced enhanced emission for luminescent solar concentrators: A combined experimental and density functional theory study. <i>Aggregate</i> , 2022, 3, .	5.2	14
98	Nanoparticles from Polylactide and Polyether Block Copolymers: Formation, Properties, Encapsulation, and Release of Pyreneâ€“Fluorescent Model of Hydrophobic Drug. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3242-3251.	0.9	13
99	The unique optical behaviour of bioâ€“related materials with organic chromophores. <i>Polymer International</i> , 2013, 62, 22-32.	1.6	13
100	Zn(II)-bisthienylethynylbipyridine complex: Preparation, characterization and vapochromic behaviour in polymer films. <i>Dyes and Pigments</i> , 2014, 110, 249-255.	2.0	13
101	Synthesis and Optical Properties of Imidazoleâ€“Based Fluorophores having High Quantum Yields. <i>ChemPlusChem</i> , 2014, 79, 366-370.	1.3	13
102	MWCNT/perylene bisimide water dispersions for miniaturized temperature sensors. <i>RSC Advances</i> , 2015, 5, 65023-65029.	1.7	13
103	Toward the design of alkynylimidazole fluorophores: computational and experimental characterization of spectroscopic features in solution and in poly(methyl methacrylate). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26710-26723.	1.3	13
104	Fluorescent LDPE and PLA nanocomposites containing fluorescein-modified layered double hydroxides and their ON/OFF responsive behavior towards humidity. <i>European Polymer Journal</i> , 2018, 99, 189-201.	2.6	13
105	Thermally Switchable Electrically Conductive Thermoset rGO/PK Self-Healing Composites. <i>Polymers</i> , 2021, 13, 339.	2.0	13
106	Molecularly controlled blending of metals and organic metals with polyolefins for the preparation of materials with modulated optical properties. <i>Macromolecular Symposia</i> , 2003, 204, 59-70.	0.4	12
107	Skin temperature monitoring by a wireless sensor. , 2011, , .		12
108	Light-Responsive Polystyrene Films Doped with Tailored Heteroaromatic-Based Fluorophores. <i>ACS Macro Letters</i> , 2013, 2, 317-321.	2.3	12

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109	The Temperature-Responsive Nanoassemblies of Amphiphilic Random Copolymers Carrying Poly(siloxane) and Poly(oxyethylene) Pendant Chains. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800082.	1.1	12
110	Tuning of dye optical properties by environmental effects: a QM/MM and experimental study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9724-9733.	1.3	11
111	Julolidine-labelled fluorinated block copolymers for the development of two-layer films with highly sensitive vapochromic response. <i>Science China Chemistry</i> , 2018, 61, 947-956.	4.2	11
112	Synthesis of tuneable amphiphilic-modified polyketone polymers, their complexes with 5,10,15,20-tetrakis-(4-sulfonatophenyl)porphyrin, and their role in the photooxidation of 1,3,5-triphenylformazan confined in polymeric nanoparticles. <i>Polymer</i> , 2019, 167, 215-223.	1.8	11
113	Electrically-Conductive Polyketone Nanocomposites Based on Reduced Graphene Oxide. <i>Polymers</i> , 2020, 12, 923.	2.0	11
114	Preparation and Optical Properties of New Metal/Macromolecule Architectures. <i>Macromolecular Symposia</i> , 2008, 270, 177-186.	0.4	10
115	Guest-controlled aggregation of cavitand gold nanoparticles and N-methyl pyridinium-terminated PEG. <i>Chemical Communications</i> , 2011, 47, 6596.	2.2	10
116	Analysis of 4-dimethylaminopyridine (DMAP)-gold nanoparticles behaviour in solution and of their interaction with calf thymus DNA and living cells. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	10
117	Vapochromic behavior of polycarbonate films doped with a luminescent molecular rotor. <i>Polymers for Advanced Technologies</i> , 2016, 27, 429-435.	1.6	10
118	Versatile Multi-Functional Block Copolymers Made by Atom Transfer Radical Polymerization and Post-Synthetic Modification: Switching from Volatile Organic Compound Sensors to Polymeric Surfactants for Water Rheology Control via Hydrolysis. <i>Nanomaterials</i> , 2019, 9, 458.	1.9	10
119	Blends of functionalized terthiophenes with polyethylene as materials for new linear polarizers. <i>Polymers for Advanced Technologies</i> , 2001, 12, 223-230.	1.6	9
120	Chiroptical Properties of Terthiophene Chromophores Dispersed in Oriented and Unoriented Polyethylene Films. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 786-794.	1.1	9
121	Interfacial bioconjugation on emulsion droplet for biosensors. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5307-5313.	1.4	9
122	Colourless luminescent solar concentrators based on Iridium(III)-Phosphors. <i>Dyes and Pigments</i> , 2021, 193, 109532.	2.0	9
123	Effect of the structure of the polymer matrix on the terthiophene chromophore dispersion in dichroic polyethylene films. <i>Polymers for Advanced Technologies</i> , 2002, 13, 737-743.	1.6	8
124	Colour responsive smart polymers and biopolymers films through nanodispersion of organic chromophores and metal particles. <i>Progress in Organic Coatings</i> , 2011, 72, 21-25.	1.9	8
125	Modulation of the electrochemical properties of SBS-based anionic membranes by the amine molecular structure. <i>E-Polymers</i> , 2013, 13, .	1.3	8
126	Water-Dispersible, Ligand-Free, and Extra-Small (<10 nm) Titania Nanoparticles: Control Over Primary, Secondary, and Tertiary Agglomeration Through a Modified "Non-Aqueous" Route. <i>Advanced Functional Materials</i> , 2014, 24, 993-1003.	7.8	8

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127	Statistical properties and morphology of a 2D gel network at the air/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 912-918.	2.3	8
128	Solar collectors based on luminescent 2,5-diarylimidazoles. <i>Dyes and Pigments</i> , 2018, 157, 334-341.	2.0	8
129	Design of a pH-Responsive Conductive Nanocomposite Based on MWCNTs Stabilized in Water by Amphiphilic Block Copolymers. <i>Nanomaterials</i> , 2019, 9, 1410.	1.9	8
130	Luminescent Solar Concentrators from Waterborne Polymer Coatings. <i>Coatings</i> , 2020, 10, 655.	1.2	8
131	Valorization of seashell waste in polypropylene composites: An accessible solution to overcome marine landfilling. <i>European Polymer Journal</i> , 2022, 162, 110877.	2.6	8
132	Y-shaped alkynylimidazoles as effective push-pull fluorescent dyes for luminescent solar concentrators (LSCs). <i>Dyes and Pigments</i> , 2022, 201, 110262.	2.0	8
133	Influence of processing method and components molecular structure on the phase behaviour of polyethylenes/dye blends. <i>Macromolecular Symposia</i> , 2003, 202, 85-96.	0.4	7
134	Catalytic and Optical Behavior of Polymer Embedded Metal Nanoparticles. <i>Macromolecular Symposia</i> , 2005, 231, 125-133.	0.4	7
135	Optimization of the Mechanical Properties of Polyolefin Composites Loaded with Mineral Fillers for Flame Retardant Cables. <i>Micro</i> , 2021, 1, 102-119.	0.9	7
136	Synthesis and Spectroscopic Characterization of Thienopyrazine-Based Fluorophores for Application in Luminescent Solar Concentrators (LSCs). <i>Molecules</i> , 2021, 26, 5428.	1.7	7
137	Molecular Rotors with Aggregation-Induced Emission (AIE) as Fluorescent Probes for the Control of Polyurethane Synthesis. <i>Chemosensors</i> , 2021, 9, 3.	1.8	7
138	Effect of Polyolefin Elastomersâ€™ Characteristics and Natural Magnesium Hydroxide Content on the Properties of Halogen-Free Flame-Retardant Polyolefin Composites. <i>Micro</i> , 2022, 2, 164-182.	0.9	7
139	Rapid self-healing in IR-responsive plasmonic indium tin oxide/polyketone nanocomposites. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12957-12967.	5.2	7
140	Smart and Modern Thermoplastic Polymer Materials. <i>Polymers</i> , 2018, 10, 1211.	2.0	6
141	Multifunctional Porphyrin-based dyes for cations detection in solution and thermoresponsive low-cost materials. <i>Dyes and Pigments</i> , 2021, 185, 108897.	2.0	6
142	Mechanochromic LLDPE Films Doped with NIR Reflective Paliogen Black. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000426.	2.0	6
143	Optical Properties of M(II) Schiff-base Complexes Dispersed in Ethylene based Polymers. <i>Macromolecular Symposia</i> , 2006, 235, 143-151.	0.4	5
144	Highly selective vapochromic fluorescence of polycarbonate films Doped with an ICTâ€Based solvatochromic probe. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1171-1180.	2.4	5

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145	Chemical and Temperature Sensors Based on Functionalized Reduced Graphene Oxide. Chemosensors, 2020, 8, 43.	1.8	5
146	Controlled degradation by melt processing with oxygen or peroxide of ethylene/propylene copolymers. Journal of Applied Polymer Science, 2004, 94, 372-381.	1.3	4
147	Conferring Smart Behavior to Polyolefins through Blending with Organic Dyes and Metal Derivatives. ACS Symposium Series, 2005, , 18-33.	0.5	4
148	Perylene bisimide metal complexes as new MWCNTs dispersants: Role of the metal ion in stability and temperature sensing. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 516, 32-38.	2.3	4
149	Small Molecules as Long-Wavelength Fluorophores: Push-Pull Substituted 4-Alkoxy-1,3-thiazoles. Synthesis, 2018, 50, 303-313.	1.2	4
150	A 4,4'-bis(2-benzoxazolyl)stilbene luminescent probe: assessment of aggregate formation through photophysics experiments and quantum-chemical calculations. Physical Chemistry Chemical Physics, 2018, 20, 26249-26258.	1.3	4
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