

Mariana-Dana Damaceanu

List of Publications by Year in descending order

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74
papers

1,135
citations

304368

22
h-index

500791

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docs citations

74
times ranked

791
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly transparent and hydrophobic fluorinated polyimide films with ortho-kink structure. <i>European Polymer Journal</i> , 2014, 50, 200-213.	2.6	68
2	Viscoelastic and dielectric behaviour of thin films made from siloxane-containing poly(oxadiazole-imide)s. <i>European Polymer Journal</i> , 2010, 46, 1049-1062.	2.6	57
3	Structure promoted high performance properties of triphenylmethane - containing polyimides and copolyimides. <i>European Polymer Journal</i> , 2018, 108, 554-569.	2.6	35
4	Organosoluble asymmetric aromatic polyamides bearing pendent phenoxy groups. <i>Polymer International</i> , 2011, 60, 1248-1258.	1.6	34
5	The chromic and electrochemical response of CoCl ₂ filled polyimide materials for sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 549-561.	4.0	33
6	Tuning of the color of the emitted light from new polyperyleneimides containing oxadiazole and siloxane moieties. <i>Dyes and Pigments</i> , 2013, 99, 228-239.	2.0	32
7	New thermally stable and organosoluble heterocyclic poly(naphthaleneimide)s. <i>Polymers for Advanced Technologies</i> , 2011, 22, 420-429.	1.6	30
8	Photo-optical properties of poly(oxadiazole-imide)s containing naphthalene rings. <i>Polymer Journal</i> , 2010, 42, 663-669.	1.3	29
9	Insulating polyimide films containing peryleneimide moieties. <i>Polymer International</i> , 2012, 61, 1582-1591.	1.6	29
10	Blue fluorescent polyamides containing naphthalene and oxadiazole rings. <i>Journal of Polymer Science Part A</i> , 2011, 49, 893-906.	2.5	28
11	Structure-Directed Functional Properties of Phenothiazine Brominated Dyes: Morphology and Photophysical and Electrochemical Properties. <i>Crystal Growth and Design</i> , 2016, 16, 3716-3730.	1.4	28
12	Copoly(peryleneimide)s containing 1,3,4-oxadiazole rings: Synthesis and properties. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4230-4242.	2.5	25
13	Highly fluorinated polyimide blends Insights into physico-chemical characterization. <i>Polymer</i> , 2014, 55, 4488-4497.	1.8	25
14	SOLID-STATE PROPERTIES OF MESOMORPHIC COPOLYMERS CONTAINING OXADIAZOLE AND FLUORENE UNITS. <i>Soft Materials</i> , 2009, 7, 164-184.	0.8	24
15	Heterocyclic polyimides containing siloxane groups in the main chain. <i>Polymer International</i> , 2009, 58, 1041-1050.	1.6	23
16	Insights into the effect of donor-acceptor strength modulation on physical properties of phenoxazine-based imine dyes. <i>Dyes and Pigments</i> , 2016, 134, 382-396.	2.0	23
17	Insights into molecular engineering of membranes based on fluorinated polyimide-polyamide miscible blends which do not obey the trade-off rule. <i>Separation and Purification Technology</i> , 2020, 233, 116031.	3.9	23
18	Polyimides Containing 1,3,4-Oxadiazole Rings. <i>Collection of Czechoslovak Chemical Communications</i> , 2008, 73, 1631-1644.	1.0	22

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19	In-Depth Investigation of the Optical Effects in Rationally Designed Phenoxazine-Based Polyazomethines with Activated Quenched Fluorescence. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6300-6313.	1.5	22
20	Synergetic Effect between Structural Manipulation and Physical Properties toward Perspective Electrochromic n-Type Polyimides. <i>Macromolecules</i> , 2019, 52, 8040-8055.	2.2	22
21	Ortho-CATENATION and trifluoromethyl graphing as driving forces in electro-optical properties modulation of ethanol soluble triphenylamine-based polyimides. <i>Dyes and Pigments</i> , 2019, 163, 126-137.	2.0	22
22	Heteroatom-mediated performance of dye-sensitized solar cells based on T-shaped molecules. <i>Dyes and Pigments</i> , 2019, 166, 15-31.	2.0	22
23	ZnO-Ag based polymer composites as photocatalysts for highly efficient visible-light degradation of Methyl Orange. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 406, 113003.	2.0	21
24	Exploring the impact of triphenylmethane incorporation on physical properties of polyimides with emphasis on optical and halochromic behaviour. <i>Polymer</i> , 2020, 200, 122621.	1.8	20
25	Insights into the Chain and Local Mobility of Some Aromatic Polyamides and Their Influence on the Physicochemical Properties. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1573-1587.	1.1	19
26	A new sensitizer containing dihexyloxy-substituted triphenylamine as donor and a binary conjugated spacer for dye-sensitized solar cells. <i>RSC Advances</i> , 2015, 5, 53687-53699.	1.7	19
27	Evaluation of Local Mechanical and Chemical Properties via AFM as a Tool for Understanding the Formation Mechanism of Pulsed UV Laser-Nanoinduced Patterns on Azo-Naphthalene-Based Polyimide Films. <i>Nanomaterials</i> , 2021, 11, 812.	1.9	19
28	Structural Chemistry-Assisted Strategy toward Fast Cis \leftrightarrow Trans Photo/Thermal Isomerization Switch of Novel Azo-Naphthalene-Based Polyimides. <i>Macromolecules</i> , 2021, 54, 1517-1538.	2.2	18
29	Calcium Carbonate Microparticles Growth Templated by an Oxadiazole-Functionalized Maleic Anhydride-co-N-vinyl-pyrrolidone Copolymer, with Enhanced pH Stability and Variable Loading Capabilities. <i>Crystal Growth and Design</i> , 2012, 12, 4479-4486.	1.4	17
30	The photo-optical and electrochemical activity promoted by trifluoromethyl-substituted and ortho-catenated triphenylamine core in poly(ether-imide)s. <i>Polymer</i> , 2018, 151, 34-46.	1.8	17
31	Dielectric Behavior of Thin Films made from poly(oxadiazole-naphthylimide)s. <i>Soft Materials</i> , 2010, 9, 44-63.	0.8	16
32	New heterocyclic conjugated azomethines containing triphenylamine units with optical and electrochemical responses towards the acid environment. <i>Synthetic Metals</i> , 2020, 268, 116498.	2.1	16
33	Electrochemically active polyimides containing hydroxyl-functionalized triphenylmethane as molecular sensors for fluoride anion detection. <i>Electrochimica Acta</i> , 2020, 353, 136602.	2.6	16
34	A novel approach towards crown-ether modified polyimides with affinity for alkali metal ions recognition. <i>Journal of Molecular Liquids</i> , 2021, 322, 114929.	2.3	16
35	Synthesis and characterization of a new oxadiazole-functionalized maleic anhydride-N-vinylpyrrolidone copolymer and its application in CaCO ₃ based microparticles. <i>Reactive and Functional Polymers</i> , 2012, 72, 635-641.	2.0	15
36	Photopolymerized Films with ZnO and Doped ZnO Particles Used as Efficient Photocatalysts in Malachite Green Dye Decomposition. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1954.	1.3	15

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37	Six-member polyimides incorporating redox chromophores. <i>Journal of Materials Science</i> , 2012, 47, 6179-6188.	1.7	14
38	Spectroscopic and electrochemical properties of thiophene-phenylene based Schiff-bases with alkoxy side groups, towards photovoltaic applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119242.	2.0	14
39	Study of thin films made from aromatic polymers containing six-member imide rings. <i>High Performance Polymers</i> , 2012, 24, 31-39.	0.8	12
40	Advanced materials based on new structurally designed poly(naphthylimide-amide)s. <i>Polymer International</i> , 2015, 64, 361-372.	1.6	12
41	Acid-responsive behavior promoted by imine units in novel triphenylamine-based oligomers functionalized with chromophoric moieties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 378, 24-37.	2.0	12
42	Dielectric and gas transport properties of highly fluorinated polyimides blends. <i>High Performance Polymers</i> , 2015, 27, 526-538.	0.8	11
43	n-Type Polyimides with 1,3,4-Oxadiazole-Substituted Triphenylamine Units—An Innovative Structural Approach. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15908-15923.	1.5	11
44	Copolyimides containing perylene and hexafluoroisopropylidene moieties. <i>High Performance Polymers</i> , 2012, 24, 50-57.	0.8	10
45	Fluorescence behavior of semicrystalline functionalized maleic acid copolymers containing 1,3,4-oxadiazole side chains. <i>Polymer</i> , 2012, 53, 5258-5267.	1.8	10
46	An easily functionalizable oligo(oxyethylene)- and ester-substituted poly(3,4-propylenedioxythiophene) derivative exhibiting alkali metal ion response. <i>RSC Advances</i> , 2014, 4, 52467-52475.	1.7	10
47	The synergistic effect of nitrile and jeffamine structural elements towards stretchable and high- <i>k</i> neat polyimide materials. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7558-7579.	3.2	10
48	Insights into MWCNTs/polyimide nanocomposites: from synthesis to application as free-standing flexible electrodes in low-cost micro-supercapacitors. <i>Materials Today Chemistry</i> , 2022, 23, 100671.	1.7	10
49	Photo-optical and electrochemical behavior of novel heterocyclic copoly(naphthylimide-amide)s. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	9
50	Local and segmental motion in highly transparent and low-k poly(ether-imide) films. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	9
51	Tailoring poly(ether-imide) films features towards high performance flexible substrates. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 436-447.	2.9	8
52	Assessing the Electrical Characteristics of n Heterojunction Prototype Diodes Realized with n-Type Polyimide Materials. <i>Macromolecules</i> , 2021, 54, 941-957.	2.2	8
53	Effect of Protonation on Optical and Electrochemical Properties of Thiophene-Phenylene-Based Schiff Bases with Alkoxy Side Groups. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8588-8600.	1.2	8
54	Tuning the light emission of novel donor-acceptor phenoxazine dye-based materials towards the red spectral range. <i>Optical Materials</i> , 2018, 78, 160-171.	1.7	7

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55	Open-Circuit Voltage Degradation by Dye Mulliken Electronegativity in Multi-Anchor Organic Dye-Based Dye-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 7600-7616.	2.5	7
56	Structure–property relationship in fluorene-based polymer films obtained by electropolymerization of 4,4′-(9-fluorenylidene)-dianiline. <i>RSC Advances</i> , 2015, 5, 97016-97026.	1.7	6
57	Insights into the physico-chemical behavior of CoCl ₂ /polyimide hybrid materials. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	5
58	Exploring the potential of thin films made from poly(imide-amide-sulfone)s for engineering applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 270, 115217.	1.7	5
59	Copoly(1,3,4-oxadiazole-naphthylimide)s containing siloxane units in the main chain: synthesis and properties. <i>High Performance Polymers</i> , 2011, 23, 384-393.	0.8	4
60	KrF Pulsed Laser Ablation of Thin Films Made from Fluorinated Heterocyclic Poly(Naphthyl-Imide)s. <i>Microscopy and Microanalysis</i> , 2012, 18, 545-557.	0.2	4
61	Optical and electrochemical properties of thermostable polymers containing light-emitting units. <i>Polymer Engineering and Science</i> , 2014, 54, 1126-1133.	1.5	4
62	The first evidence of redox activity of polyimide systems modified with azo groups with photo-induced response. <i>Reactive and Functional Polymers</i> , 2018, 129, 64-75.	2.0	4
63	Aromatic Copolyimides Containing Perylene Units. <i>Macromolecular Symposia</i> , 2010, 296, 399-406.	0.4	3
64	A straightforward synthetic strategy towards conjugated donor-acceptor naphthylimido-azomethines with tunable films morphologies and opto-electronic properties. <i>Progress in Organic Coatings</i> , 2022, 166, 106785.	1.9	3
65	Dielectric properties of thin polyimide films. , 2010, , .		2
66	Opto-Electronic Properties Modulation Through Iodine Doping of Imine- and Triphenylamine-Based Oligomers. <i>Journal of Electronic Materials</i> , 2021, 50, 1358-1369.	1.0	1
67	n-TYPE POLYIMIDES INCORPORATING OXADIAZOLE AND PERYLENE FLUOROPHORES. <i>Environmental Engineering and Management Journal</i> , 2019, 18, 89-98.	0.2	1
68	Alignment layers based on poly(oxadiazole–naphthylimide)s: New aspects on tuning anisotropy of the surface morphology and adhesion via rubbing. <i>Polymers for Advanced Technologies</i> , 2022, 33, 870-885.	1.6	1
69	Aromatic polyimides for optoelectronic applications. , 2008, , .		0
70	Thin polyimide films for dielectric interlayer application. , 2009, , .		0
71	Laser ablation of polyimide thin films. , 2010, , .		0
72	Blue light-emitting polynaphthaleneimides. , 2011, , .		0

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73	Dielectric behaviour of polyperyleneimide films. , 2011, , .		0
74	Polyperyleneimide — Based materials for optoelectronic devices. , 2012, , .		0