## Mariana-Dana Damaceanu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Highly transparent and hydrophobic fluorinated polyimide films with ortho-kink structure. European Polymer Journal, 2014, 50, 200-213.	5.4	68
2	Viscoelastic and dielectric behaviour of thin films made from siloxane-containing poly(oxadiazole-imide)s. European Polymer Journal, 2010, 46, 1049-1062.	5.4	57
3	Structure – promoted high performance properties of triphenylmethane - containing polyimides and copolyimides. European Polymer Journal, 2018, 108, 554-569.	5.4	35
4	Organosoluble asymmetric aromatic polyamides bearing pendent phenoxy groups. Polymer International, 2011, 60, 1248-1258.	3.1	34
5	The chromic and electrochemical response of CoCl2 â^ filled polyimide materials for sensing applications. Sensors and Actuators B: Chemical, 2016, 234, 549-561.	7.8	33
6	Tuning of the color of the emitted light from new polyperyleneimides containing oxadiazole and siloxane moieties. Dyes and Pigments, 2013, 99, 228-239.	3.7	32
7	New thermally stable and organosoluble heterocyclic poly(naphthaleneimide)s. Polymers for Advanced Technologies, 2011, 22, 420-429.	3.2	30
8	Photo-optical properties of poly(oxadiazole-imide)s containing naphthalene rings. Polymer Journal, 2010, 42, 663-669.	2.7	29
9	Insulating polyimide films containing nâ€ŧype perylenediimide moieties. Polymer International, 2012, 61, 1582-1591.	3.1	29
10	Blue fluorescent polyamides containing naphthalene and oxadiazole rings. Journal of Polymer Science Part A, 2011, 49, 893-906.	2.3	28
11	Structure-Directed Functional Properties of Phenothiazine Brominated Dyes: Morphology and Photophysical and Electrochemical Properties. Crystal Growth and Design, 2016, 16, 3716-3730.	3.0	28
12	Copoly(peryleneimide)s containing 1,3,4â€oxadiazole rings: Synthesis and properties. Journal of Polymer Science Part A, 2010, 48, 4230-4242.	2.3	25
13	Highly fluorinated polyimide blends – Insights into physico-chemical characterization. Polymer, 2014, 55, 4488-4497.	3.8	25
14	SOLID‧TATE PROPERTIES OF MESOMORPHIC COPOLYMERS CONTAINING OXADIAZOLE AND FLUORENE UNITS. Soft Materials, 2009, 7, 164-184.	1.7	24
15	Heterocyclic polyimides containing siloxane groups in the main chain. Polymer International, 2009, 58, 1041-1050.	3.1	23
16	Insights into the effect of donor-acceptor strength modulation on physical properties of phenoxazine-based imine dyes. Dyes and Pigments, 2016, 134, 382-396.	3.7	23
17	Insights into molecular engineering of membranes based on fluorinated polyimide-polyamide miscible blends which do not obey the trade-off rule. Separation and Purification Technology, 2020, 233, 116031.	7.9	23
18	Polyimides Containing 1,3,4-Oxadiazole Rings. Collection of Czechoslovak Chemical Communications, 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. Journal of Physical Chemistry C, 2017, 121, 6300-6313.	3.1	22
20	Synergetic Effect between Structural Manipulation and Physical Properties toward Perspective Electrochromic n-Type Polyimides. Macromolecules, 2019, 52, 8040-8055.	4.8	22
21	Ortho-CATENATION and trifluoromethyl graphting as driving forces in electro-optical properties modulation of ethanol soluble triphenylamine-based polyimides. Dyes and Pigments, 2019, 163, 126-137.	3.7	22
22	Heteroatom-mediated performance of dye-sensitized solar cells based on T-shaped molecules. Dyes and Pigments, 2019, 166, 15-31.	3.7	22
23	ZnO-Ag based polymer composites as photocatalysts for highly efficient visible-light degradation of Methyl Orange. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 406, 113003.	3.9	21
24	Exploring the impact of triphenylmethane incorporation on physical properties of polyimides with emphasis on optical and halochromic behaviour. Polymer, 2020, 200, 122621.	3.8	20
25	Insights into the Chain and Local Mobility of Some Aromatic Polyamides and Their Influence on the Physicochemical Properties. Macromolecular Chemistry and Physics, 2014, 215, 1573-1587.	2.2	19
26	A new sensitizer containing dihexyloxy-substituted triphenylamine as donor and a binary conjugated spacer for dye-sensitized solar cells. RSC Advances, 2015, 5, 53687-53699.	3.6	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. Nanomaterials, 2021, 11, 812.	4.1	19
28	Structural Chemistry-Assisted Strategy toward Fast Cis–Trans Photo/Thermal Isomerization Switch of Novel Azo-Naphthalene-Based Polyimides. Macromolecules, 2021, 54, 1517-1538.	4.8	18
29	Calcium Carbonate Microparticles Growth Templated by an Oxadiazole-Functionalized Maleic Anhydride-co- <i>N</i> -vinyl-pyrrolidone Copolymer, with Enhanced pH Stability and Variable Loading Capabilities. Crystal Growth and Design, 2012, 12, 4479-4486.	3.0	17
30	The photo-optical and electrochemical activity promoted by trifluoromethyl-substituted and ortho-catenated triphenylamine core in poly(ether-imide)s. Polymer, 2018, 151, 34-46.	3.8	17
31	Dielectric Behavior of Thin Films made from poly(oxadiazole-naphthylimide)s. Soft Materials, 2010, 9, 44-63.	1.7	16
32	New heterocyclic conjugated azomethines containing triphenylamine units with optical and electrochemical responses towards the acid environment. Synthetic Metals, 2020, 268, 116498.	3.9	16
33	Electrochemically active polyimides containing hydroxyl-functionalized triphenylmethane as molecular sensors for fluoride anion detection. Electrochimica Acta, 2020, 353, 136602.	5.2	16
34	A novel approach towards crown-ether modified polyimides with affinity for alkali metal ions recognition. Journal of Molecular Liquids, 2021, 322, 114929.	4.9	16
35	Synthesis and characterization of a new oxadiazole-functionalized maleic anhydride-N-vinylpyrrolidone copolymer and its application in CaCO3 based microparticles. Reactive and Functional Polymers, 2012, 72, 635-641.	4.1	15
36	Photopolymerized Films with ZnO and Doped ZnO Particles Used as Efficient Photocatalysts in Malachite Green Dye Decomposition. Applied Sciences (Switzerland), 2020, 10, 1954.	2.5	15

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37	Six-member polyimides incorporating redox chromophores. Journal of Materials Science, 2012, 47, 6179-6188.	3.7	14
38	Spectroscopic and electrochemical properties of thiophene-phenylene based Shiff-bases with alkoxy side groups, towards photovoltaic applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119242.	3.9	14
39	Study of thin films made from aromatic polymers containing six-member imide rings. High Performance Polymers, 2012, 24, 31-39.	1.8	12
40	Advanced materials based on new structurally designed poly(naphthylimide-amide)s. Polymer International, 2015, 64, 361-372.	3.1	12
41	Acid-responsive behavior promoted by imine units in novel triphenylamine-based oligomers functionalized with chromophoric moieties. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 378, 24-37.	3.9	12
42	Dielectric and gas transport properties of highly fluorinated polyimides blends. High Performance Polymers, 2015, 27, 526-538.	1.8	11
43	n-Type Polyimides with 1,3,4-Oxadiazole-Substituted Triphenylamine Units—An Innovative Structural Approach. Journal of Physical Chemistry C, 2019, 123, 15908-15923.	3.1	11
44	Copolyimides containing perylene and hexafluoroisopropylidene moieties. High Performance Polymers, 2012, 24, 50-57.	1.8	10
45	Fluorescence behavior of semicrystalline functionalized maleic acid copolymers containing 1,3,4-oxadiazole side chains. Polymer, 2012, 53, 5258-5267.	3.8	10
46	An easily functionalizable oligo(oxyethylene)- and ester-substituted poly(3,4-propylenedioxythiophene) derivative exhibiting alkali metal ion response. RSC Advances, 2014, 4, 52467-52475.	3.6	10
47	The synergistic effect of nitrile and jeffamine structural elements towards stretchable and high- <i>k</i> neat polyimide materials. Materials Chemistry Frontiers, 2021, 5, 7558-7579.	5.9	10
48	Insights into MWCNTs/polyimide nanocomposites: from synthesis to application as free-standing flexible electrodes in low-cost micro-supercapacitors. Materials Today Chemistry, 2022, 23, 100671.	3.5	10
49	Photo-optical and electrochemical behavior of novel heterocyclic copoly(naphthylimide-amide)s. Journal of Polymer Research, 2014, 21, 1.	2.4	9
50	Local and segmental motion in highly transparent and low-k poly(ether-imide) films. Journal of Polymer Research, 2015, 22, 1.	2.4	9
51	Tailoring poly(ether-imide) films features towards high performance flexible substrates. Journal of Industrial and Engineering Chemistry, 2021, 93, 436-447.	5.8	8
52	Assessing the Electrical Characteristics of p–n Heterojunction Prototype Diodes Realized with n-Type Polyimide Materials. Macromolecules, 2021, 54, 941-957.	4.8	8
53	Effect of Protonation on Optical and Electrochemical Properties of Thiophene–Phenylene-Based Schiff Bases with Alkoxy Side Groups. Journal of Physical Chemistry B, 2021, 125, 8588-8600.	2.6	8
54	Tuning the light emission of novel donor-acceptor phenoxazine dye-based materials towards the red spectral range. Optical Materials, 2018, 78, 160-171.	3.6	7

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55	Open-Circuit Voltage Degradation by Dye Mulliken Electronegativity in Multi-Anchor Organic Dye-Based Dye-Sensitized Solar Cells. ACS Applied Energy Materials, 2022, 5, 7600-7616.	5.1	7
56	Structure–property relationship in fluorene-based polymer films obtained by electropolymerization of 4,4′-(9-fluorenylidene)-dianiline. RSC Advances, 2015, 5, 97016-97026.	3.6	6
57	Insights into the physico-chemical behavior of CoCl2/polyimide hybrid materials. Journal of Polymer Research, 2016, 23, 1.	2.4	5
58	Exploring the potential of thin films made from poly(imide-amide-sulfone)s for engineering applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 270, 115217.	3.5	5
59	Copoly(1,3,4-oxadiazole-naphthylimide)s containing siloxane units in the main chain: synthesis and properties. High Performance Polymers, 2011, 23, 384-393.	1.8	4
60	KrF Pulsed Laser Ablation of Thin Films Made from Fluorinated Heterocyclic Poly(Naphthyl-Imide)s. Microscopy and Microanalysis, 2012, 18, 545-557.	0.4	4
61	Optical and electrochemical properties of thermostable polymers containing light-emitting units. Polymer Engineering and Science, 2014, 54, 1126-1133.	3.1	4
62	The first evidence of redox activity of polyimide systems modified with azo groups with photo-induced response. Reactive and Functional Polymers, 2018, 129, 64-75.	4.1	4
63	Aromatic Copolyimides Containing Perylene Units. Macromolecular Symposia, 2010, 296, 399-406.	0.7	3
64	A straightforward synthetic strategy towards conjugated donor-acceptor naphthylimido-azomethines with tunable films morphologies and opto-electronic properties. Progress in Organic Coatings, 2022, 166, 106785.	3.9	3
65	Dielectric properties of thin polyimide films. , 2010, , .		2
66	Opto-Electronic Properties Modulation Through Iodine Doping of Imine- and Triphenylamine-Based Oligomers. Journal of Electronic Materials, 2021, 50, 1358-1369.	2.2	1
67	n-TYPE POLYIMIDES INCORPORATING OXADIAZOLE AND PERYLENE FLUOROPHORES. Environmental Engineering and Management Journal, 2019, 18, 89-98.	0.6	1
68	Alignment layers based on poly(oxadiazoleâ€naphthylimide)s: New aspects on tuning anisotropy of the surface morphology and adhesion via rubbing. Polymers for Advanced Technologies, 2022, 33, 870-885.	3.2	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, , .

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73	Dielectric behaviour of polyperyleneimide films. , 2011, , .		0

Polyperyleneimide — Based materials for optoelectronic devices. , 2012, , .