Mariana-Dana Damaceanu

List of Publications by Year
in descending order

74	1,135	304368	500791
papers	citations	22 h-index	28 g-index

74	74	74	791
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	1.6	1
2	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.	1.7	10
3	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.	1.9	3
4	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.	2.5	7
5	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.	2.0	21
6	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.	2.0	14
7	Tailoring poly(ether-imide) films features towards high performance flexible substrates. Journal of Industrial and Engineering Chemistry, 2021, 93, 436-447.	2.9	8
8	Assessing the Electrical Characteristics of pâ€“n Heterojunction Prototype Diodes Realized with n-Type Polyimide Materials. Macromolecules, 2021, 54, 941-957.	2.2	8
9	Opto-Electronic Properties Modulation Through Iodine Doping of Imine- and Triphenylamine-Based Oligomers. Journal of Electronic Materials, 2021, 50, 1358-1369.	1.0	1
10	Structural Chemistry-Assisted Strategy toward Fast Cisâ€“Trans Photo/Thermal Isomerization Switch of Novel Azo-Naphthalene-Based Polyimides. Macromolecules, 2021, 54, 1517-1538.	2.2	18
11	The synergistic effect of nitrile and jeffamine structural elements towards stretchable and high-kneat polyimide materials. Materials Chemistry Frontiers, 2021, 5, 7558-7579.	3.2	10
12	A novel approach towards crown-ether modified polyimides with affinity for alkali metal ions recognition. Journal of Molecular Liquids, 2021, 322, 114929.	2.3	16
13	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.	1.9	19
14	Effect of Protonation on Optical and Electrochemical Properties of Thiopheneâ€“Phenylene-Based Schiff Bases with Alkoxy Side Groups. Journal of Physical Chemistry B, 2021, 125, 8588-8600.	1.2	8
15	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.	1.7	5
16	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.	3.9	23
17	New heterocyclic conjugated azomethines containing triphenylamine units with optical and electrochemical responses towards the acid environment. Synthetic Metals, 2020, 268, 116498.	2.1	16
18	Electrochemically active polyimides containing hydroxyl-functionalized triphenylmethane as molecular sensors for fluoride anion detection. Electrochimica Acta, 2020, 353, 136602.	2.6	16

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19	Photopolymerized Films with ZnO and Doped ZnO Particles Used as Efficient Photocatalysts in Malachite Green Dye Decomposition. Applied Sciences (Switzerland), 2020, 10, 1954.	1.3	15
20	Exploring the impact of triphenylmethane incorporation on physical properties of polyimides with emphasis on optical and halochromic behaviour. Polymer, 2020, 200, 122621.	1.8	20
21	Synergetic Effect between Structural Manipulation and Physical Properties toward Perspective Electrochromic n-Type Polyimides. Macromolecules, 2019, 52, 8040-8055.	2.2	22
22	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.	2.0	22
23	n-Type Polyimides with 1,3,4-Oxadiazole-Substituted Triphenylamine Unitsâ€"An Innovative Structural Approach. Journal of Physical Chemistry C, 2019, 123, 15908-15923.	1.5	11
24	Heteroatom-mediated performance of dye-sensitized solar cells based on T-shaped molecules. Dyes and Pigments, 2019, 166, 15-31.	2.0	22
25	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.	2.0	12
26	n-TYPE POLYIMIDES INCORPORATING OXADIAZOLE AND PERYLENE FLUOROPHORES. Environmental Engineering and Management Journal, 2019, 18, 89-98.	0.2	1
27	Tuning the light emission of novel donor-acceptor phenoxazine dye-based materials towards the red spectral range. Optical Materials, 2018, 78, 160-171.	1.7	7
28	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.	2.0	4
29	Structure â€“ promoted high performance properties of triphenylmethane - containing polyimides and copolyimides. European Polymer Journal, 2018, 108, 554-569.	2.6	35
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.	1.8	17
31	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.	1.5	22
32	The chromic and electrochemical response of CoCl2 â^' filled polyimide materials for sensing applications. Sensors and Actuators B: Chemical, 2016, 234, 549-561.	4.0	33
33	Structure-Directed Functional Properties of Phenothiazine Brominated Dyes: Morphology and Photophysical and Electrochemical Properties. Crystal Growth and Design, 2016, 16, 3716-3730.	1.4	28
34	Insights into the effect of donor-acceptor strength modulation on physical properties of phenoxazine-based imine dyes. Dyes and Pigments, 2016, 134, 382-396.	2.0	23
35	Insights into the physico-chemical behavior of CoCl2/polyimide hybrid materials. Journal of Polymer Research, 2016, 23, 1.	1.2	5
36	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.	1.7	19

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37	Structureâ€“property relationship in fluorene-based polymer films obtained by electropolymerization of 4,4â€²-(9-fluorenylidene)-dianiline. RSC Advances, 2015, 5, 97016-97026.	1.7	6
38	Dielectric and gas transport properties of highly fluorinated polyimides blends. High Performance Polymers, 2015, 27, 526-538.	0.8	11
39	Local and segmental motion in highly transparent and low-k poly(ether-imide) films. Journal of Polymer Research, 2015, 22, 1.	1.2	9
40	Advanced materials based on new structurally designed poly(naphthylimide-amide)s. Polymer International, 2015, 64, 361-372.	1.6	12
41	Optical and electrochemical properties of thermostable polymers containing light-emitting units. Polymer Engineering and Science, 2014, 54, 1126-1133.	1.5	4
42	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.	1.1	19
43	Highly transparent and hydrophobic fluorinated polyimide films with ortho-kink structure. European Polymer Journal, 2014, 50, 200-213.	2.6	68
44	An easily functionalizable oligo(oxyethylene)- and ester-substituted poly(3,4-propylenedioxythiophene) derivative exhibiting alkali metal ion response. RSC Advances, 2014, 4, 52467-52475.	1.7	10
45	Highly fluorinated polyimide blends â€“ Insights into physico-chemical characterization. Polymer, 2014, 55, 4488-4497.	1.8	25
46	Photo-optical and electrochemical behavior of novel heterocyclic copoly(naphthylimide-amide)s. Journal of Polymer Research, 2014, 21, 1.	1.2	9
47	Tuning of the color of the emitted light from new polyperyleneimides containing oxadiazole and siloxane moieties. Dyes and Pigments, 2013, 99, 228-239.	2.0	32
48	KrF Pulsed Laser Ablation of Thin Films Made from Fluorinated Heterocyclic Poly(Naphthyl-Imide)s. Microscopy and Microanalysis, 2012, 18, 545-557.	0.2	4
49	Study of thin films made from aromatic polymers containing six-member imide rings. High Performance Polymers, 2012, 24, 31-39.	0.8	12
50	Copolyimides containing perylene and hexafluoroisopropylidene moieties. High Performance Polymers, 2012, 24, 50-57.	0.8	10
51	Polyperyleneimide — Based materials for optoelectronic devices. , 2012, , .		0
52	Calcium Carbonate Microparticles Growth Templated by an Oxadiazole-Functionalized Maleic Anhydride-co-N-vinyl-pyrrolidone Copolymer, with Enhanced pH Stability and Variable Loading Capabilities. Crystal Growth and Design, 2012, 12, 4479-4486.	1.4	17
53	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.	2.0	15
54	Fluorescence behavior of semicrystalline functionalized maleic acid copolymers containing 1,3,4-oxadiazole side chains. Polymer, 2012, 53, 5258-5267.	1.8	10

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55	Insulating polyimide films containing nâ€type perylenediimide moieties. Polymer International, 2012, 61, 1582-1591.	1.6	29
56	Six-member polyimides incorporating redox chromophores. Journal of Materials Science, 2012, 47, 6179-6188.	1.7	14
57	New thermally stable and organosoluble heterocyclic poly(naphthaleneimide)s. Polymers for Advanced Technologies, 2011, 22, 420-429.	1.6	30
58	Blue fluorescent polyamides containing naphthalene and oxadiazole rings. Journal of Polymer Science Part A, 2011, 49, 893-906.	2.5	28
59	Organosoluble asymmetric aromatic polyamides bearing pendent phenoxy groups. Polymer International, 2011, 60, 1248-1258.	1.6	34
60	Copoly(1,3,4-oxadiazole-naphthylimide)s containing siloxane units in the main chain: synthesis and properties. High Performance Polymers, 2011, 23, 384-393.	0.8	4
61	Blue light-emitting polynaphthaleneimides. , 2011, , .		0
62	Dielectric behaviour of polyperyleneimide films. , 2011, , .		0
63	Viscoelastic and dielectric behaviour of thin films made from siloxane-containing poly(oxadiazole-imide)s. European Polymer Journal, 2010, 46, 1049-1062.	2.6	57
64	Copoly(peryleneimide)s containing 1,3,4â€oxadiazole rings: Synthesis and properties. Journal of Polymer Science Part A, 2010, 48, 4230-4242.	2.5	25
65	Photo-optical properties of poly(oxadiazole-imide)s containing naphthalene rings. Polymer Journal, 2010, 42, 663-669.	1.3	29
66	Dielectric Behavior of Thin Films made from poly(oxadiazole-naphthylimide)s. Soft Materials, 2010, 9, 44-63.	0.8	16
67	Laser ablation of polyimide thin films. , 2010, , .		0
68	Dielectric properties of thin polyimide films. , 2010, , .		2
69	Aromatic Copolyimides Containing Perylene Units. Macromolecular Symposia, 2010, 296, 399-406.	0.4	3
70	SOLIDâ€STATE PROPERTIES OF MESOMORPHIC COPOLYMERS CONTAINING OXADIAZOLE AND FLUORENE UNITS. Soft Materials, 2009, 7, 164-184.	0.8	24
71	Heterocyclic polyimides containing siloxane groups in the main chain. Polymer International, 2009, 58, 1041-1050.	1.6	23
72	Thin polyimide films for dielectric interlayer application. , 2009, , .		0

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73	Polyimides Containing 1,3,4-Oxadiazole Rings. Collection of Czechoslovak Chemical Communications, 2008, 73, 1631-1644.	1.0	22
74	Aromatic polyimides for optoelectronic applications. , 2008, , .		0