Ivo Grabchev

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1055279/publications.pdf

Version: 2024-02-01

179 papers	4,262 citations	94433 37 h-index	175258 52 g-index
179 all docs	179 docs citations	179 times ranked	2272 citing authors

#	Article	IF	Citations
1	Synthesis and properties of fluorescent 1,8-naphthalimide dyes for application in liquid crystal displays. Journal of Materials Chemistry, 2000, 10, 1291-1296.	6.7	182
2	Synthesis and photophysical properties of 1,8-naphthalimide-labelled PAMAM as PET sensors of protons and of transition metal ions. Polymer, 2002, 43, 5731-5736.	3.8	112
3	Novel heterogeneous PET fluorescent sensors selective for transition metal ions or protons: polymers regularly labelled with naphthalimide. New Journal of Chemistry, 2002, 26, 920-925.	2.8	97
4	A copolymer of 4-N,N-dimethylaminoethylene-N-allyl-1,8-naphthalimide with methylmethacrylate as a selective fluorescent chemosensor in homogeneous systems for metal cations. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 158, 37-43.	3.9	96
5	A polyamidoamine dendrimer with peripheral 1,8-naphthalimide groups capable of acting as a PET fluorescent sensor for metal cations. New Journal of Chemistry, 2003, 27, 337-340.	2.8	94
6	The synthesis of some 1,8-naphthalic anhydride derivatives as dyes for polymeric materials. Dyes and Pigments, 1993, 22, 191-198.	3.7	86
7	New green fluorescent polymer sensors for metal cations and protons. European Polymer Journal, 2007, 43, 4297-4305.	5.4	77
8	Synthesis, photophysical and photochemical properties of fluorescent poly(amidoamine) dendrimers. Polymer, 2003, 44, 4421-4428.	3.8	71
9	Synthesis of some polymerisable 1,8-naphthalimide derivatives for use as fluorescent brighteners. Dyes and Pigments, 1997, 33, 197-203.	3.7	68
10	Synthesis and characterisation of fluorescent polyacrylonitrile copolymers with 1,8-naphthalimide side chains. Polymer Degradation and Stability, 2000, 70, 147-153.	5.8	65
11	Fluorescent Dendrimers As Sensors for Biologically Important Metal Cations. Current Medicinal Chemistry, 2012, 19, 4976-4983.	2.4	62
12	Poly(amidoamine) dendrimers peripherally modified with 4-ethylamino-1,8-naphthalimide. Synthesis and photophysical properties. Tetrahedron, 2003, 59, 9591-9598.	1.9	61
13	Photochemistry of some 1,8-naphthalic anhydride derivatives. Dyes and Pigments, 1997, 35, 361-366.	3.7	55
14	First generation poly(propyleneimine) dendrimers functionalised with 1,8-naphthalimide units as fluorescence sensors for metal cations and protons. Tetrahedron, 2008, 64, 2113-2119.	1.9	55
15	Poly(amidoamine) dendrimer peripherally modified with 4-N,N-dimethylaminoethyleneamino-1,8-naphthalimide as a sensor of metal cations and protons. Photochemical and Photobiological Sciences, 2004, 3, 1032.	2.9	51
16	1,8-Naphthalimides as Blue Emitting Fluorophores for Polymer Materials. Macromolecular Materials and Engineering, 2002, 287, 904-908.	3.6	49
17	Synthesis of some unsaturated 1,8-naphthalimide dyes. Dyes and Pigments, 1995, 28, 41-46.	3.7	48
18	Copolymerization and photostabilization of methylmethacrylate with 1,8-naphthalimide fluorescent brighteners. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 142, 73-78.	3.9	46

#	Article	IF	Citations
19	New blue fluorescent sensors for metal cations and protons based on 1,8-naphthalimide. Dyes and Pigments, 2008, 77, 1-6.	3.7	45
20	Synthesis of Ethyl 3-Aryl-1-methyl-8-oxo- 8H-anthra[9,1-gh]quinoline-2-carboxylates as Dyes for Potential Application in Liquid Crystal Displays. Organic Letters, 2003, 5, 2185-2187.	4.6	44
21	Synthesis and functional properties of green fluorescent poly(methylmethacrylate) for use in liquid crystal systems. Polymers for Advanced Technologies, 2003, 14, 601-608.	3.2	44
22	Green fluorescence poly(amidoamine) dendrimer functionalized with 1,8-naphthalimide units as potential sensor for metal cations. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 183, 9-14.	3.9	44
23	Spectral and Luminescent Properties and Electroluminescence of Polyvinylcarbazole with 1,8-Naphthalimide in the Side Chain. Journal of Fluorescence, 2006, 16, 375-378.	2.5	44
24	Synthesis and properties of vinylic copolymers with fluorescent moieties as optical brighteners for liquid crystals. Journal of Applied Polymer Science, 1999, 74, 151-157.	2.6	43
25	Sensors for detecting metal ions and protons based on new green fluorescent poly(amidoamine) dendrimers peripherally modified with 1,8-naphthalimides. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 179, 28-34.	3.9	42
26	Studying pH dependence of the photophysical properties of a blue emitting fluorescent PAMAM dendrimer and evaluation of its sensor potential. Dyes and Pigments, 2014, 105, 114-120.	3.7	41
27	Synthesis and properties of benzanthrone derivatives as luminophore dyes for liquid crystals. Dyes and Pigments, 1998, 37, 155-164.	3.7	40
28	Synthesis of new combined 2,2,6,6-tetramethylpiperidineâ€“2-hydroxyphenylbenzotriazole 1,3,5-triazine derivatives as stabilizers for polymers. Polymer Degradation and Stability, 2001, 74, 543-550.	5.8	40
29	Synthesis and spectral properties of new green fluorescent poly(propyleneimine) dendrimers modified with 1,8-naphthalimide as sensors for metal cations. Polymer, 2007, 48, 6755-6762.	3.8	40
30	Influence of substituents on the spectroscopic and photochemical properties of naphthalimide derivatives. Dyes and Pigments, 1996, 31, 31-34.	3.7	39
31	Synthesis of new polymerizable 1,8-naphthalimide dyes containing a 2-hydroxyphenylbenzotriazole fragment. Dyes and Pigments, 2003, 59, 277-283.	3.7	39
32	A new fluorosensor based on bis-1,8-naphthalimide for metal cations and protons. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 192-197.	3.9	39
33	On the Copolymerization of Styrene and Acrylonitrile with 1,8-Naphthalimide Derivatives (Optical) Tj ETQq1 1 0.784314 rgBT /Overlo	3.1	38
34	Photophysical characteristics of polymerizable 1,8-naphthalimide dyes and their copolymers with styrene or methylmethacrylate. Dyes and Pigments, 1998, 38, 219-226.	3.7	38
35	A new method for synthesis of 4-allyloxy-1,8-naphthalimide derivatives for use as fluorescent brighteners. Dyes and Pigments, 2001, 51, 57-61.	3.7	38
36	A novel fluorescent sensor for metal cations and protons based of bis-1,8-naphthalimide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 87-91.	3.9	38

#	Article	IF	Citations
37	UVâ€“vis, IR spectra and thermal studies of charge transfer complex formed between poly(amidoamine) dendrimers and iodine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 58-65.	3.9	37
38	A novel blue fluorescent chemosensor for metal cations and protons, based on 1,8-naphthalimide and its copolymer with styrene. Polymers for Advanced Technologies, 2006, 17, 180-185.	3.2	36
39	Functional properties of azomethine substituted benzanthrone dyes for use in nematic liquid crystals. Journal of Molecular Structure, 1998, 471, 19-25.	3.6	35
40	Selective sensors for Zn2+ cations based on new green fluorescent poly(amidoamine) dendrimers peripherally modified with 1,8-naphthalimides. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 591-597.	3.9	35
41	A cotton fabric modified with a hydrogel containing ZnO nanoparticles. Preparation and properties study. Applied Surface Science, 2015, 345, 72-80.	6.1	35
42	Photophysical and photochemical properties of some triazineâ€“stilbene fluorescent brighteners. Dyes and Pigments, 2000, 44, 175-180.	3.7	34
43	The synthesis and application of fluorescent dyes based on 3-amino benzanthrone. Dyes and Pigments, 2001, 48, 143-150.	3.7	34
44	Surface enhanced Raman spectroscopy as a new spectral technique for quantitative detection of metal ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 339-347.	3.9	34
45	Synthesis of 1,8-naphthalic anhydride derivatives for use as fluorescent brightening agents for polymeric materials. Dyes and Pigments, 1995, 27, 321-325.	3.7	33
46	Synthesis and photophysical properties of polymerizable 1,8-naphthalimide dyes and their copolymers with styrene. Dyes and Pigments, 2001, 51, 1-8.	3.7	33
47	Fluorescent 3-oxy benzanthrone dyes in liquid crystalline media. Dyes and Pigments, 2003, 58, 1-6.	3.7	33
48	Synthesis and spectral properties of new N-substituted naphthalimide luminophores for structural coloration of polymethylmethacrylate and polystyrene. Journal of Polymer Science Part A, 1997, 35, 1069-1076.	2.3	32
49	Metal ions and protons sensing properties of new fluorescent 4-N-methylpiperazine-1,8-naphthalimide terminated poly(propyleneamine) dendrimer. Journal of Molecular Structure, 2011, 999, 16-21.	3.6	32
50	Photophysical and photochemical properties of some 3-bromo-4-alkylamino-N-alkyl-1,8-naphthalimides. Dyes and Pigments, 2003, 58, 65-71.	3.7	31
51	Preparation of some compounds and study their thermal stability for use in dye sensitized solar cells. Journal of Molecular Liquids, 2018, 261, 565-582.	4.9	31
52	Synthesis and properties of new adducts of 2,2,6,6-tetramethylpiperidine and 2-hydroxyphenylbenzotriazole as polymer photostabilizers. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 150, 223-231.	3.9	30
53	Spectral properties of new N,Nâ€²-bis-alkyl-1,4,6,8-naphthalenediimide complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 64, 435-441.	3.9	30
54	An iron(III) selective dendrite chelator based on polyamidoamine dendrimer modified with 4-bromo-1,8-naphthalimide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 100-104.	3.9	30

#	Article	IF	Citations
55	New green fluorescent polyvinylcarbazole copolymer with 1,8-naphthalimide side chains as chemosensor for iron cations. Polymers for Advanced Technologies, 2004, 15, 382-386.	3.2	29
56	Charge-transfer interaction of iodine with some polyamidoamines. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 205-211.	3.9	29
57	New detectors for metal cations and protons based on PAMAM dendrimers modified with 1,8-naphthalimide units. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 283, 1-7.	3.9	29
58	Poly(amidoamine) dendrimers peripherally modified with 1,8-naphthalimides. Photodegradation and photostabilization on polyamide matrix. European Polymer Journal, 2004, 40, 1249-1254.	5.4	28
59	Absorption spectra of some N-substituted-1,8-naphthalimides. Dyes and Pigments, 1995, 28, 91-99.	3.7	27
60	Sensor activity, photodegradation and photostabilisation of a PAMAM dendrimer comprising 1,8-naphthalimide functional groups in its periphery. Polymer Degradation and Stability, 2006, 91, 2257-2264.	5.8	27
61	Synthesis, structural characterization and antibacterial activity of cotton fabric modified with a hydrogel containing barium hexaferrite nanoparticles. Journal of Molecular Structure, 2017, 1127, 74-80.	3.6	27
62	Photophysical and photochemical properties of blue fluorescent polystyrene. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 139, 157-160.	3.9	26
63	Synthesis and spectral characterization of a new PPA dendrimer modified with 4-bromo-1,8-naphthalimide and inÂvitro antimicrobial activity of its Cu(II) and Zn(II) metal complexes. Tetrahedron, 2015, 71, 1080-1087.	1.9	26
64	Synthesis, photophysical and antimicrobial activity of new water soluble ammonium quaternary benzanthrone in solution and in polylactide film. Journal of Photochemistry and Photobiology B: Biology, 2015, 143, 44-51.	3.8	25
65	Preparation of elastic polymer slices have the semiconductors properties for use in solar cells as a source of new and renewable energy. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 361, 76-85.	3.9	25
66	Synthesis and application of new combined 2,2,6,6-tetramethylpiperidineâ€“2-hydroxybenzophenone 1,3,5-triazine derivatives as photostabilizers for polymer materials. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 146, 199-205.	3.9	24
67	Novel functionalized 2-(2-hydroxyphenyl)-benzotriazole â€“ benzo[de]isoquinoline-1,3-dione fluorescent UV absorbers. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 172, 308-315.	3.9	24
68	Spectral investigation of coordination of cuprum cations and protons at PAMAM dendrimer peripherally modified with 1,8-naphthalimide units. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 532-536.	3.9	24
69	Poly(propylenamine) dendrimers modified with 4-amino-1,8-naphthalimide: Synthesis, characterization and in vitro microbiological tests of their Cu(II) and Zn(II) complexes. Inorganica Chimica Acta, 2015, 438, 179-188.	2.4	24
70	pH sensor potential and antimicrobial activity of a new PPA dendrimer modified with benzanthrone fluorophores in solution and on viscose fabric. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 375, 24-29.	3.9	24
71	On the copolymerization of styrene with some dyes that are naphthalimide derivatives. Journal of Applied Polymer Science, 1996, 62, 447-449.	2.6	23
72	Infrared spectral characterization of poly(amidoamine) dendrimers peripherally modified with 1,8-naphthalimides. Dyes and Pigments, 2004, 62, 229-234.	3.7	23

#	Article	IF	Citations
73	A polyamidoamine dendrimer as a selective colorimetric and ratiometric fluorescent sensor for Li+ cations in alkali media. Dyes and Pigments, 2009, 82, 336-340.	3.7	23
74	Photophysical investigations on the sensor potential of novel, poly(propylenamine) dendrimers modified with 1,8-naphthalimide units. Dyes and Pigments, 2010, 85, 189-193.	3.7	23
75	Ultrasonic synthesis and spectral characterization of a new blue fluorescent dendrimer as highly selective chemosensor for Fe3+ cations. Journal of Molecular Structure, 2012, 1015, 1-5.	3.6	23
76	Heterogeneous sensors for ammonia, amines and metal ions based on a dendrimer modified fluorescent viscose fabric. Dyes and Pigments, 2018, 155, 164-170.	3.7	23
77	Synthesis and characterization of N,Nâ€²-bis[2-hydroxyethyl]-1,4,6,8-naphthalenediimide with para substituted of phenols based on charge-transfer complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 123-133.	3.9	22
78	A new colorimetric and fluorimetric sensor for metal cations based on poly(propilene amine) dendrimer modified with 1,8-naphthalimide. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 201, 75-80.	3.9	22
79	Spectroscopic characterizations and biological studies on newly synthesized Cu2+ and Zn2+ complexes of first and second generation dendrimers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 772-782.	3.9	22
80	The synthesis of a novel 1,8-naphthalimide based PAMAM-type dendron and its potential for light-harvesting. Dyes and Pigments, 2009, 81, 180-186.	3.7	21
81	Impact of Cu(<scp>ii</scp>) and Zn(<scp>ii</scp>) ions on the functional properties of new PAMAM metallodendrimers. New Journal of Chemistry, 2018, 42, 7853-7862.	2.8	21
82	The synthesis and properties of some triazine-stilbene fluorescent brighteners. Dyes and Pigments, 1995, 29, 155-160.	3.7	20
83	Synthesis and photophysical investigations of novel combined benzo[de]anthracen-7-one/2,2,6,6-tetramethylpiperidines as fluorescent stabilisers for polymer materials. Polymer Degradation and Stability, 2004, 85, 789-797.	5.8	20
84	Studying the photophysical properties of a polymerizable 1,8â€naphthalimide dye and its copolymer with styrene as potential fluorescent sensors for metal cations. Polymers for Advanced Technologies, 2008, 19, 316-321.	3.2	20
85	Ðntimicrobial and anticancer activity of new poly(propyleneamine) metallodendrimers. Journal of Polymer Research, 2017, 24, 1.	2.4	20
86	Fluorescent polyacrylonitrile with 1,8-naphthalimide side chains. Angewandte Makromolekulare Chemie, 1999, 269, 49-53.	0.2	19
87	Synthesis and absorption properties of some new bis-1,8-naphthalimides. Dyes and Pigments, 2001, 48, 239-244.	3.7	19
88	Synthesis and functional characteristics of two new yellow-green fluorescent PAMAM dendrimers periphery modified with 1,8-naphthalimides. Inorganica Chimica Acta, 2014, 409, 89-95.	2.4	18
89	Fluorescent Hydrogelâ€“Textile Composite Material Synthesized by Photopolymerization. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 838-847.	3.4	18
90	Spectroscopic and structural characterization of the charge-transfer interaction of N,Nâ€²-bis-alkyl derivatives of 1,4,6,8-naphthalenediimide with chloranilic and picric acids. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 907-915.	3.9	17

#	Article	IF	Citations
91	Surface Functionalization of Cotton Fabric with Fluorescent Dendrimers, Spectral Characterization, Cytotoxicity, Antimicrobial and Antitumor Activity. Chemosensors, 2019, 7, 17.	3.6	17
92	Synthesis of benzanthron derivatives for selective detection by fluorescence of copper ions. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 201, 237-242.	3.9	16
93	Click chemistry to fluorescent hyperbranched polymeric sensors. 2. Synthesis, spectroscopic and cation-sensing properties of new green fluorescent 1,8-naphthalimides. European Polymer Journal, 2016, 74, 241-255.	5.4	16
94	Synthesis and Characterization of a New PAMAM Metallodendrimer for Antimicrobial Modification of Cotton Fabric. Macromolecular Research, 2018, 26, 332-340.	2.4	16
95	Chemical modification of cotton fabric with 1,8-naphthalimide for use as heterogeneous sensor and antibacterial textile. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 382, 111924.	3.9	16
96	Detection of environmental pollutants heavy metal ions based on the complexation with fluorescent dyes: Reaction of 2-(2Ê1-hydroxyphenyl)-5-amino-benzotriazole with the Sn2+, Hg2+, and Pb2+ ions. Inorganic Chemistry Communication, 2021, 124, 108408.	3.9	16
97	Photochemistry of some polymerizable fluorescent brighteners. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 135, 41-44.	3.9	15
98	Spectrophotometric investigation of the copolymerization of styrene or methyl methacrylate with 1,8-naphthalimide dyes. Journal of Applied Polymer Science, 2001, 81, 2463-2470.	2.6	15
99	Functionalization of PAMAM dendrimers with curcumin: Synthesis, characterization, fluorescent improvement and application on PET polymer. Dyes and Pigments, 2020, 174, 108081.	3.7	15
100	Textile Materials Modified with Stimuli-Responsive Drug Carrier for Skin Topical and Transdermal Delivery. Materials, 2021, 14, 930.	2.9	15
101	On the polymerization of acrylonitrile in the presence of some unsaturated triazine derivatives. Angewandte Makromolekulare Chemie, 1992, 196, 107-111.	0.2	14
102	Synthesis, spectral characterization, and in vitro antimicrobial activity in liquid medium and applied on cotton fabric of a new PAMAM metallodendrimer. International Journal of Polymer Analysis and Characterization, 2018, 23, 45-57.	1.9	14
103	Pyrene-based fluorescent Ru(<scp>ii</scp>)-arene complexes for significant biological applications: catalytic potential, DNA/protein binding, two photon cell imaging and in vitro cytotoxicity. Dalton Transactions, 2022, 51, 3937-3953.	3.3	14
104	Spectral Properties of 3-Benzanthrone Derivative Dyes in Isotropic Solvents, Polymer Film and Liquid Crystal. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2001, 56, 291-296.	1.5	13
105	New Poly(Propylene Imine) Dendrimer Modified with Acridine and Its Cu(II) Complex: Synthesis, Characterization and Antimicrobial Activity. Materials, 2019, 12, 3020.	2.9	13
106	Synthesis and photophysical characterisation of 3-bromo-4-dimethylamino-1,8-naphthalimides and their evaluation as agents for antibacterial photodynamic therapy. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 401, 112730.	3.9	13
107	Polymerization of styrene in the presence of some triazine-stilbene fluorescent brighteners. Angewandte Makromolekulare Chemie, 1998, 263, 1-4.	0.2	12
108	Novel adducts of a 2-(2-hydroxyphenyl)-benzotriazole and a blue emitting benzo[de]isoquinoline-1,3-dione for â€œone-stepâ€•fluorescent brightening and stabilization of polymers. Polymer Degradation and Stability, 2005, 88, 420-427.	5.8	12

#	Article	IF	Citations
109	Sensor potential of 1,8-naphthalimide and its dyeing ability of cotton fabric. Dyes and Pigments, 2013, 98, 64-70.	3.7	12
110	Synthesis and spectral characterization of a new blue fluorescent tripod for detecting metal cations and protons. Journal of Luminescence, 2015, 162, 149-154.	3.1	12
111	Synthesis, characterization and inÂvitro antimicrobial activity of a new blue fluorescent Cu(II) metal complex of bis-1,8-naphthalimide. Journal of Molecular Structure, 2015, 1101, 50-56.	3.6	12
112	Synthesis, characterisaion and antimicrobial activity of polypropylenamine metallodendrimers modified with 1,8-naphthalimides. Journal of Molecular Structure, 2018, 1164, 363-369.	3.6	12
113	Synthesis, spectral characteristics and microbiological activity of benzanthrone derivatives and their Cu(II) complexes. Journal of Molecular Structure, 2019, 1197, 576-582.	3.6	12
114	Synthesis of a new fluorescent poly(propylene imine) dendrimer modified with 4-nitrobenzofurazan. Sensor and antimicrobial activity. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 395, 112506.	3.9	12
115	Copolymerization of acrylonitrile with some monomeric 1,8-naphthalimide fluorescent brighteners. Designed Monomers and Polymers, 2000, 3, 479-488.	1.6	11
116	A new detector for metal cations based on the combined effect of photoinduced electron transfer and a light harvesting system. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 222, 288-292.	3.9	11
117	Design and synthesis of a new fluorescent tripod for chemosensor applications. Tetrahedron, 2014, 70, 9366-9372.	1.9	11
118	A novel benzofurazan-cyclam conjugate and its Cu(II) complex: Synthesis, characterization and in vitro cytotoxicity and antimicrobial activity. Dyes and Pigments, 2016, 129, 71-79.	3.7	11
119	A new green fluorescent tripod based on 1,8-naphthalimide. Detection ability for metal cations and protons and antimicrobial activity. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 344, 143-148.	3.9	11
120	Antimicrobial, Antibiofilm and Cytotoxicity Activity of a New Acridine Hyperbranched Polymer in Solution and on Cotton Fabric. Fibers and Polymers, 2019, 20, 19-24.	2.1	11
121	Synthesis, Antitumor and Antibacterial Studies of New Shortened Analogues of (KLAKLAK)2-NH2 and Their Conjugates Containing Unnatural Amino Acids. Molecules, 2021, 26, 898.	3.8	11
122	Photodegradation of poly(amidoamine) dendrimers peripherally modified with 1,8-naphthalimide units. Polymer Degradation and Stability, 2007, 92, 1911-1915.	5.8	10
123	Spectral characterization and inÂvitro microbiological activity of new bis-1,8-naphthalimides and their Cu(II) complexes. Journal of Molecular Structure, 2016, 1110, 72-82.	3.6	10
124	Synthesis, characterization and inÂvitro antimicrobial activity of a new fluorescent tris-benzo[de]anthracen-7-one and its Cu(II) complex. Tetrahedron, 2016, 72, 2440-2446.	1.9	10
125	Preparation, characterization, and antibacterial activity of composite material: Cotton fabric/hydrogel/silver nanoparticles. International Journal of Polymer Analysis and Characterization, 2017, 22, 104-111.	1.9	10
126	Synthesis and spectroscopic properties of a new fluorescent acridine hyperbranched polymer: Applications to acid sensing and as antimicrobial agent. European Polymer Journal, 2018, 102, 19-29.	5.4	10

#	Article	IF	Citations
127	A New Bioactive Complex between Zn(II) and a Fluorescent Symmetrical Benzanthrone Tripod for an Antibacterial Textile. Materials, 2019, 12, 3473.	2.9	10
128	Synthesis and characterization of fluorescent PAMAM dendrimer modified with 1,8-naphthalimide units and its Cu(II) complex designed for specific biomedical application. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 415, 113312.	3.9	10
129	Orientation of pores in microporous polyethylene films as determined by polarized absorption spectroscopy. Materials Research Innovations, 2001, 4, 301-305.	2.3	9
130	Photophysical and Photochemical Properties of Green Fluorescent Liquid Crystalline Systems. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2003, 58, 45-50.	1.5	9
131	Novel polymerizable light emitting dyes â€“ combination of a hindered amine with a 9-phenylxanthene fluorophore. Synthesis and photophysical investigations. Dyes and Pigments, 2007, 74, 187-194.	3.7	9
132	Synthesis and spectroscopic studies of a new 1,8-naphthalimide dyad as detector for metal cations and protons. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 76, 150-154.	3.9	9
133	Synthesis and structural dependence of the functional properties of new green fluorescent poly(propyleneamine) dendrimers. Journal of Molecular Structure, 2013, 1038, 101-105.	3.6	9
134	Combination of sensor potential and antimicrobial activity of a new 4-(2-dimethylaminoethyloxy)-N-buthyl-1,8-naphthalimide. Journal of Molecular Structure, 2014, 1071, 88-94.	3.6	9
135	Structural characterization of 1,8-naphthalimides and inÂvitro microbiological activity of their Cu(II) and Zn(II) complexes. Journal of Molecular Structure, 2017, 1130, 974-983.	3.6	9
136	Synthesis, spectral characteristics and sensor ability of new polyamidoamine dendrimers, modified with curcumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117554.	3.9	8
137	1,8-Naphthalimide Derivatives as Dyes for Textile and Polymeric Materials: A Review. Fibers and Polymers, 2021, 22, 2368-2379.	2.1	8
138	Characterization of a fluorescent 1,8-naphthalimide-functionalized PAMAM dendrimer and its Cu(ii) complexes as cytotoxic drugs: EPR and biological studies in myeloid tumor cells. Biological Chemistry, 2022, 403, 345-360.	2.5	8
139	Cotton Fabric Modified with a PAMAM Dendrimer with Encapsulated Copper Nanoparticles: Antimicrobial Activity. Materials, 2021, 14, 7832.	2.9	8
140	Title is missing!. Angewandte Makromolekulare Chemie, 1994, 221, 45-51.	0.2	7
141	The synthesis and properties of some triazene-stilbene fluorescent brighteners. Dyes and Pigments, 1994, 25, 249-254.	3.7	7
142	Synthesis, spectral properties and application of some reactive anthraquinone dyes. Dyes and Pigments, 1998, 39, 89-95.	3.7	7
143	Colored microporous polyethylene films: effect of porous structure on dye adsorption. Materials Research Innovations, 2002, 6, 34-37.	2.3	7
144	Electrical and luminescence properties of a poly(amidoamine) dendrimer containing naphthalimide. Physics of the Solid State, 2004, 46, 2306-2310.	0.6	7

#	Article	IF	Citations
145	Functional properties of fluorescent poly(amidoamine) dendrimers in nematic liquid crystalline media. Chemical Physics Letters, 2006, 422, 547-551.	2.6	7
146	Simultaneous measurement of fluorescence, conversion and physical/mechanical properties for monitoring bulk and localized photopolymerization reactions in heterogeneous systems. RSC Advances, 2016, 6, 41275-41286.	3.6	7
147	Synthesis of New Modified with Rhodamine B Peptides for Antiviral Protection of Textile Materials. Molecules, 2021, 26, 6608.	3.8	7
148	Synthesis of New Blue Fluorescent Polymerizable 1,8-Naphthalimides and Their Copolymers with Styrene as Sensors for Fe(III) Cations. Journal of Chemistry, 2014, 2014, 1-7.	1.9	6
149	Photophysical and antibacterial activity of light-activated quaternary eosin Y. Open Chemistry, 2019, 17, 1244-1251.	1.9	6
150	Synthesis, Photophysical Characterization, and Sensor Activity of New 1,8-Naphthalimide Derivatives. Sensors, 2020, 20, 3892.	3.8	6
151	Modified PAMAM dendrimers as a matrix for the photostabilization of curcumin. New Journal of Chemistry, 2020, 44, 17112-17121.	2.8	6
152	Photosensitive dendrimers as a good alternative to antimicrobial photodynamic therapy of Gram-negative bacteria. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 419, 113480.	3.9	6
153	Synthesis, spectral properties and antimicrobial activity of a new cationic waterâ€soluble pHâ€dependent poly(propylene imine) dendrimer modified with 1,8â€naphthalimides. Luminescence, 2020, 35, 947-954.	2.9	5
154	Dendrimer as antimicrobial agents. , 2021, , 363-384.		5
155	Synthesis and characterization of new water soluble 9,10-anthraquinonÐµ and evaluation of its antimicrobial activity. Journal of Molecular Structure, 2018, 1168, 22-27.	3.6	4
156	Synthesis, photophysical characterisation and antimicrobial activity of a new anionic PAMAM dendrimer. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 403, 112878.	3.9	4
157	Pollutants Sorbent Made of Cotton Fabric Modified with Chitosan-Glutaraldehyde and Zinc Oxide Particles. Materials, 2021, 14, 3242.	2.9	4
158	Enhancing the antibacterial activity of <scp>PAMAM</scp> dendrimer modified with 1,8â€naphthalimides and its copper complex via light illumination. Polymers for Advanced Technologies, 2022, 33, 3163-3172.	3.2	4
159	Photophysical Properties of new Polymerizable 1,8-Naphthalimides and their Copolymers with Methylmethacrylate. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2003, 58, 558-562.	1.5	3
160	Molecular Orientation of Some Fluorescent Dichroic Dyes in Nematic Liquid Crystal. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 368-374.	1.5	3
161	Photothermal Properties of 3-Substituted Benzanthrone Dyes. Molecular Crystals and Liquid Crystals, 2005, 427, 57/[369]-69/[381].	0.9	3
162	Spectral characterization, antimicrobial and antibiofilm activity of poly(propylene imine) metallodendrimers in solution and applied onto cotton fabric. International Journal of Polymer Analysis and Characterization, 2020, 25, 374-384.	1.9	3

#	Article	IF	Citations
163	Spectral Characteristics and Sensor Ability of a New 1,8-Naphthalimide and Its Copolymer with Styrene. Sensors, 2020, 20, 3501.	3.8	3
164	Textile with a hydrogel and iron oxide nanoparticles for wastewater treatment after reactive dyeing. Journal of Applied Polymer Science, 2021, 138, 49954.	2.6	3
165	Spectroscopic characterizations on the N,Nâ€²-bis-alkyl derivatives of 1,4,6,8-naphthalenediimide charge-transfer complexes. Arabian Journal of Chemistry, 2011, 4, 83-97.	4.9	2
166	Spectral Analysis of Poly(propyleneamine) Dendrimers Peripherally Modified with 1,8-Naphthalimides. International Journal of Polymer Analysis and Characterization, 2013, 18, 390-397.	1.9	2
167	Hyperbranched Polymers Modified with Dansyl Units and Their Cu(II) Complexes. Bioactivity Studies. Materials, 2020, 13, 4574.	2.9	2
168	Study of the Mechanism of the Antimicrobial Activity of Novel Water Soluble Ammonium Quaternary Benzanthrone on Model Membranes. Journal of Membrane Biology, 2020, 253, 247-256.	2.1	2
169	Modified with chitosan cotton fabric for control release of indomethacin. IOP Conference Series: Materials Science and Engineering, 2021, 1188, 012004.	0.6	2
170	Photoisomerization of Triazine-stilbene Fluorescent Brighteners in Solution and in their Copolymers with Styrene. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2000, 55, 833-836.	1.5	1
171	Photophysical Properties of Fluorescent Copolymers of Methylmethacrylate for Use in Liquid Crystalline Systems. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2005, 60, 831-836.	1.5	1
172	Smart Biosensors for Determination of Mycotoxines. NATO Science for Peace and Security Series A: Chemistry and Biology, 2010, , 389-414.	0.5	1
173	Detection of Metal Ions and Protons with a New Blue Fluorescent Bis(1,8-Naphthalimide). International Journal of Inorganic Chemistry, 2013, 2013, 1-6.	0.6	1
174	Spectroscopic, Thermal and Biological Studies on Newly Synthesized Cu(II), Ni(II) and Co(II) Complexes with 3-N-2-hydroxyethylamine Benzanthrone and 3-N-2-aminoethylamine Benzanthrone. Journal of the Korean Chemical Society, 2011, 55, 28-37.	0.2	1
175	Poly(aminoamine) Dendrimers Peripherally Modified with 4-Ethylamino-1,8-naphthalimide. Synthesis and Photophysical Properties.. ChemInform, 2004, 35, no.	0.0	0
176	Emission properties of thin films of electroactive doped polymers. Journal of Applied Spectroscopy, 2007, 74, 915-920.	0.7	0
177	Zn (II) and Cu (II) Halide Complexes of Poly(propylene amine) Dendrimer Analysed by Infrared and Raman Spectroscopies. International Journal of Inorganic Chemistry, 2013, 2013, 1-6.	0.6	0
178	Synthesis and characterisation of a new water soluble fluorescent cationic polymer and its microbiological activity. IOP Conference Series: Materials Science and Engineering, 2021, 1188, 012001.	0.6	0
179	Chemical modification and characterization of cotton fabric with 1,8-naphthalimide and its antibacterial activity. IOP Conference Series: Materials Science and Engineering, 2021, 1188, 012003.	0.6	0