

Valdis R Kokars

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Photophysical and Electrical Properties of Highly Luminescent 2/6-Triazolyl-Substituted Push-Pull Purines. ACS Omega, 2022, 7, 5242-5253.	3.5	11
2	HAPPY Dyes as Light Amplification Media in Thin Films. Journal of Organic Chemistry, 2021, 86, 3213-3222.	3.2	2
3	Effects of steric encumbrance of iridium(III) complex core on performance of solution-processed organic light emitting diodes. RSC Advances, 2020, 10, 27552-27559.	3.6	4
4	Glassy 2-(1-benzyl-2-styryl-6-methylpyridin-4(1H)-ylidene) fragment containing 1H-indene-1,3(2H)-dione and pyrimidine-2,4,6(1H,3H,5H)-trione derivatives with light-emitting and amplified spontaneous emission properties. , 2020, , .		0
5	Several Derivatives of 6-(Tert-Butyl)-4H-Pyran-4-Ylidene Malononitrile with Different Amorphous Phase Promoting Substituents for Light-Amplification Systems. Key Engineering Materials, 2019, 800, 275-279.	0.4	0
6	Thiophenylmethane based structural fragments as building blocks towards solution-processable heteroleptic iridium(III) complexes for OLED use. New Journal of Chemistry, 2019, 43, 37-47.	2.8	8
7	Glass-forming non-symmetric bis-styryl-DWK-type dyes for infra-red radiation amplification systems. Optical Materials, 2019, 93, 85-92.	3.6	1
8	Emission Enhancement by Intramolecular Stacking between Heteroleptic Iridium(III) Complex and Flexibly Bridged Aromatic Pendant Group. Inorganic Chemistry, 2019, 58, 4214-4222.	4.0	8
9	Synthesis and investigation of charge transport properties in adducts of hole transporting carbazole derivatives and push-pull azobenzenes. Journal of Physics and Chemistry of Solids, 2019, 127, 178-185.	4.0	1
10	Glass-forming derivatives of 2-cyano-2-(4H-pyran-4-ylidene) acetate for light-amplification systems. Dyes and Pigments, 2019, 163, 62-70.	3.7	5
11	Molecular glasses of azobenzene for holographic data storage applications. Optical Materials, 2018, 79, 45-52.	3.6	15
12	Glass-forming nonsymmetric DWK-dyes with 5,5,5-triphenylpentyl and piperazine moieties for light-amplification studies. Journal of Photonics for Energy, 2018, 8, 1.	1.3	3
13	3,3'-Bicarbazole structural derivatives as charge transporting materials for use in OLED devices. , 2018, , .		0
14	Solution-processable green phosphorescent iridium(III) complexes bearing 3,3,3-triphenylpropionic acid fragment for use in OLEDs. , 2018, , .		0
15	Optical and amplified spontaneous emission of neat films containing 2-cyanoacetic derivatives. , 2018, , .		0
16	Investigation of photoluminescence and amplified spontaneous emission properties of cyanoacetic acid derivative (KTB) in PVK amorphous thin films. , 2018, , .		0
17	Solution processable piperazine and triphenyl moiety containing non-symmetric bis-styryl-DWK type molecular glasses with light-emitting and amplified spontaneous emission properties. , 2018, , .		1
18	Stimulated emission and optical properties of pyranlyden fragment containing compounds in PVK matrix. Optics and Laser Technology, 2017, 95, 74-80.	4.6	12

#	ARTICLE	IF	CITATIONS
19	Stereoselective synthesis and properties of 1,3-bis(dicyanomethylidene)indane-5-carboxylic acid acceptor fragment containing nonlinear optical chromophores. Journal of Materials Chemistry C, 2016, 4, 5019-5030.	5.5	11
20	Amplified spontaneous emission of pyranilyden derivatives in PVK matrix. Proceedings of SPIE, 2016, , .	0.8	0
21	Triphenyl group containing molecular glasses of azobenzene for photonic applications. Optical Materials, 2016, 53, 146-154.	3.6	11
22	Solid state solvation effect and reduced amplified spontaneous emission threshold value of glass forming DCM derivative in PMMA films. Journal of Luminescence, 2015, 158, 441-446.	3.1	15
23	Structure-dependent tuning of electro-optic and thermoplastic properties in triphenyl groups containing molecular glasses. Materials Chemistry and Physics, 2015, 155, 232-240.	4.0	12
24	Solution processable 2-(trityloxy)ethyl and tert-butyl group containing amorphous molecular glasses of pyranilydene derivatives with light-emitting and amplified spontaneous emission properties. Optical Materials, 2015, 49, 129-137.	3.6	10
25	Thermal and optical properties of 4H-pyran-4-ylidene fragment and bis-styryl and triphenyl groups containing derivatives. , 2014, , .		0
26	Amplified spontaneous emission of glass forming DCM derivatives in PMMA films. Proceedings of SPIE, 2014, , .	0.8	1
27	Modular approach to obtaining organic glasses from low-molecular weight dyes using 1,1,1-triphenylpentane auxiliary groups: Nonlinear optical properties. Dyes and Pigments, 2013, 99, 1044-1050.	3.7	19
28	Thermal, glass-forming, nonlinear optical and holographic properties of "push-pull" type azochromophores with triphenyl moieties containing isophorene and pyranilydene fragments. Proceedings of SPIE, 2013, , .	0.8	0
29	Synthesis and Physical Properties of Red Luminescent Glass Forming Pyranilydene and Isophorene Fragment Containing Derivatives. , 2012, , .		1
30	Triphenyl moieties as building blocks for obtaining molecular glasses with nonlinear optical activity. Journal of Materials Chemistry, 2012, 22, 11268.	6.7	47
31	Synthesis, optical, and thermal properties of glassy trityl group containing luminescent derivatives of 2-tert-butyl-6-methyl-4H-pyran-4-one. Proceedings of SPIE, 2012, , .	0.8	3
32	An improved molecular design of obtaining NLO active molecular glasses using triphenyl moieties as amorphous phase formation enhancers. , 2012, , .		0
33	Thermal and optical properties of red luminescent glass forming symmetric and non symmetric styryl-4H-pyran-4-ylidene fragment containing derivatives. Optical Materials, 2012, 34, 1501-1506.	3.6	29
34	Synthesis and properties of 1,3-dioxo-1 H -inden-2(3H)-ylidene fragment and (3-(dicyanomethylene)-5,5-dimethylcyclohex-1-enyl)vinyl fragment containing derivatives of azobenzene for holographic recording materials. Proceedings of SPIE, 2011, , .	0.8	5
35	Effect of light polarization on holographic recording in glassy azocompounds and chalcogenides. Open Physics, 2011, 9, .	1.7	5
36	Synthesis and nonlinear optical properties of novel N,N-dihydroxyethyl-based molecular organic glasses using triaryl substitutes as amorphous phase formation enhancers. Proceedings of SPIE, 2011, , .	0.8	0

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37	Synthesis and Properties of New Glassy Molecular and Oligomer Azocompounds Suitable for Holographic Recordings. <i>Advanced Materials Research</i> , 2011, 222, 267-270.	0.3	0
38	Green and red laser holographic recording in different glassy azocompounds. <i>Optical Materials</i> , 2010, 32, 811-817.	3.6	13
39	<title>Hologram recording in azobenzene oligomers</title>. , 2003, , .		1
40	Synthesis of Red Luminescent Non Symmetric Styryl-4H-Pyran-4-Ylidene Fragment Containing Derivatives for Organic Light-Emitting Diodes. <i>Advanced Materials Research</i> , 0, 222, 271-274.	0.3	9
41	Photoinduced Anisotropy of IWK-2D Azobenzene Molecular Glassy Films. <i>Key Engineering Materials</i> , 0, 762, 233-238.	0.4	0
42	Synthesis and Photoelectrical Properties of 3-(Diphenylamino)Carbazolyl-Functionalized DMABI Derivatives. <i>Key Engineering Materials</i> , 0, 800, 280-285.	0.4	1
43	Electric and Magnetic Field Effect Studies on the Hologram Recording in Azobenzene Molecular Films. <i>Key Engineering Materials</i> , 0, 800, 269-274.	0.4	0
44	Relaxation Polarization Dependence of Circular Vector Gratings in Azobenzene Glassy Molecular Films. <i>Key Engineering Materials</i> , 0, 850, 285-290.	0.4	0
45	Synthesis and Spectroscopic Characteristics of Ligands Based on Quinolin-8-Ol as Useful Precursors for Alq3 Type Complexes. <i>Key Engineering Materials</i> , 0, 903, 168-173.	0.4	0
46	Coherent beam amplification with dynamic holograms in glass-forming molecular azobenzene based materials. , 0, , .		0