

Valdis R Kokars

List of Publications by Year in descending order

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46
papers

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933447

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243
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#	ARTICLE	IF	CITATIONS
1	Triphenyl moieties as building blocks for obtaining molecular glasses with nonlinear optical activity. <i>Journal of Materials Chemistry</i> , 2012, 22, 11268.	6.7	47
2	Thermal and optical properties of red luminescent glass forming symmetric and non symmetric styryl-4H-pyran-4-ylidene fragment containing derivatives. <i>Optical Materials</i> , 2012, 34, 1501-1506.	3.6	29
3	Modular approach to obtaining organic glasses from low-molecular weight dyes using 1,1,1-triphenylpentane auxiliary groups: Nonlinear optical properties. <i>Dyes and Pigments</i> , 2013, 99, 1044-1050.	3.7	19
4	Solid state solvation effect and reduced amplified spontaneous emission threshold value of glass forming DCM derivative in PMMA films. <i>Journal of Luminescence</i> , 2015, 158, 441-446.	3.1	15
5	Molecular glasses of azobenzene for holographic data storage applications. <i>Optical Materials</i> , 2018, 79, 45-52.	3.6	15
6	Green and red laser holographic recording in different glassy azocompounds. <i>Optical Materials</i> , 2010, 32, 811-817.	3.6	13
7	Structure-dependent tuning of electro-optic and thermoplastic properties in triphenyl groups containing molecular glasses. <i>Materials Chemistry and Physics</i> , 2015, 155, 232-240.	4.0	12
8	Stimulated emission and optical properties of pyranlyden fragment containing compounds in PVK matrix. <i>Optics and Laser Technology</i> , 2017, 95, 74-80.	4.6	12
9	Stereoselective synthesis and properties of 1,3-bis(dicyanomethylidene)indane-5-carboxylic acid acceptor fragment containing nonlinear optical chromophores. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5019-5030.	5.5	11
10	Triphenyl group containing molecular glasses of azobenzene for photonic applications. <i>Optical Materials</i> , 2016, 53, 146-154.	3.6	11
11	Photophysical and Electrical Properties of Highly Luminescent 2/6-Triazolyl-Substituted Push-Pull Purines. <i>ACS Omega</i> , 2022, 7, 5242-5253.	3.5	11
12	Solution processable 2-(trityloxy)ethyl and tert-butyl group containing amorphous molecular glasses of pyranlydene derivatives with light-emitting and amplified spontaneous emission properties. <i>Optical Materials</i> , 2015, 49, 129-137.	3.6	10
13	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
14	Thiophenylmethane based structural fragments as building blocks towards solution-processable heteroleptic iridium(III) complexes for OLED use. <i>New Journal of Chemistry</i> , 2019, 43, 37-47.	2.8	8
15	Emission Enhancement by Intramolecular Stacking between Heteroleptic Iridium(III) Complex and Flexibly Bridged Aromatic Pendant Group. <i>Inorganic Chemistry</i> , 2019, 58, 4214-4222.	4.0	8
16	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. <i>Proceedings of SPIE</i> , 2011, , .	0.8	5
17	Effect of light polarization on holographic recording in glassy azocompounds and chalcogenides. <i>Open Physics</i> , 2011, 9, .	1.7	5
18	Glass-forming derivatives of 2-cyano-2-(4H-pyran-4-ylidene) acetate for light-amplification systems. <i>Dyes and Pigments</i> , 2019, 163, 62-70.	3.7	5

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19	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
20	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
21	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
22	HAPPY Dyes as Light Amplification Media in Thin Films. Journal of Organic Chemistry, 2021, 86, 3213-3222.	3.2	2
23	<title>Hologram recording in azobenzene oligomers</title>. , 2003, , .		1
24	Synthesis and Physical Properties of Red Luminescent Glass Forming Pyranilidene and Isophorene Fragment Containing Derivatives. , 2012, , .		1
25	Amplified spontaneous emission of glass forming DCM derivatives in PMMA films. Proceedings of SPIE, 2014, , .	0.8	1
26	Synthesis and Photoelectrical Properties of 3-(Diphenylamino)Carbazolyl-Functionalized DMABI Derivatives. Key Engineering Materials, 0, 800, 280-285.	0.4	1
27	Glass-forming non-symmetric bis-styryl-DWK-type dyes for infra-red radiation amplification systems. Optical Materials, 2019, 93, 85-92.	3.6	1
28	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
29	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
30	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
31	Synthesis and Properties of New Glassy Molecular and Oligomer Azocompounds Suitable for Holographic Recordings. Advanced Materials Research, 2011, 222, 267-270.	0.3	0
32	An improved molecular design of obtaining NLO active molecular glasses using triphenyl moieties as amorphous phase formation enhancers. , 2012, , .		0
33	Thermal, glass-forming, nonlinear optical and holographic properties of "push-pull" type azochromophores with triphenyl moieties containing isophorene and pyranilidene fragments. Proceedings of SPIE, 2013, , .	0.8	0
34	Thermal and optical properties of 4H-pyran-4-ylidene fragment and bis-styryl and triphenyl groups containing derivatives. , 2014, , .		0
35	Amplified spontaneous emission of pyraniliden derivatives in PVK matrix. Proceedings of SPIE, 2016, , .	0.8	0
36	Photoinduced Anisotropy of IWK-2D Azobenzene Molecular Glassy Films. Key Engineering Materials, 0, 762, 233-238.	0.4	0

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37	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
38	Electric and Magnetic Field Effect Studies on the Hologram Recording in Azobenzene Molecular Films. Key Engineering Materials, 0, 800, 269-274.	0.4	0
39	Relaxation Polarization Dependence of Circular Vector Gratings in Azobenzene Glassy Molecular Films. Key Engineering Materials, 0, 850, 285-290.	0.4	0
40	3,3'-Bicarbazole structural derivatives as charge transporting materials for use in OLED devices. , 2018, , .		0
41	Solution-processable green phosphorescent iridium(III) complexes bearing 3,3,3-triphenylpropionic acid fragment for use in OLEDs. , 2018, , .		0
42	Optical and amplified spontaneous emission of neat films containing 2-cyanoacetic derivatives. , 2018, , .		0
43	Investigation of photoluminescence and amplified spontaneous emission properties of cyanoacetic acid derivative (KTB) in PVK amorphous thin films. , 2018, , .		0
44	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
45	Synthesis and Spectroscopic Characteristics of Ligands Based on Quinolin-8-Ol as Useful Precursors for Alq3 Type Complexes. Key Engineering Materials, 0, 903, 168-173.	0.4	0
46	Coherent beam amplification with dynamic holograms in glass-forming molecular azobenzene based materials. , 0, , .		0