

Jozef Krajcovic

List of Publications by Year in descending order

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40
papers

486
citations

686830

13
h-index

752256

20
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40
all docs

40
docs citations

40
times ranked

799
citing authors

#	ARTICLE	IF	CITATIONS
1	Density of bulk trap states of hybrid lead halide perovskite single crystals: temperature modulated space-charge-limited-currents. <i>Scientific Reports</i> , 2019, 9, 3332.	1.6	51
2	Adamantane substitutions: a path to high-performing, soluble, versatile and sustainable organic semiconducting materials. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4716-4723.	2.7	39
3	Synthesis, structure, spectral properties and DFT quantum chemical calculations of 4-aminoazobenzene dyes. Effect of intramolecular hydrogen bonding on photoisomerization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 175, 76-91.	2.0	29
4	Glycolated Thiophene-Tetrafluorophenylene Copolymers for Bioelectronic Applications: Synthesis by Direct Heteroarylation Polymerisation. <i>ChemPlusChem</i> , 2019, 84, 1384-1390.	1.3	26
5	Proteinogenic Amino Acid Assisted Preparation of Highly Luminescent Hybrid Perovskite Nanoparticles. <i>ACS Applied Nano Materials</i> , 2019, 2, 4267-4274.	2.4	26
6	Synthesis conditions influencing formation of MAPbBr ₃ perovskite nanoparticles prepared by the ligand-assisted precipitation method. <i>Scientific Reports</i> , 2020, 10, 15720.	1.6	26
7	Ionic origin of a negative capacitance in lead halide perovskites. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1600418.	1.2	24
8	Controlling Quantum Confinement in Luminescent Perovskite Nanoparticles for Optoelectronic Devices by the Addition of Water. <i>ACS Applied Nano Materials</i> , 2020, 3, 1242-1249.	2.4	21
9	Comparison of oxidative potential of PM1 and PM2.5 urban aerosol and bioaccessibility of associated elements in three simulated lung fluids. <i>Science of the Total Environment</i> , 2021, 800, 149502.	3.9	21
10	Novel Riboflavin-Inspired Conjugated Bio-Organic Semiconductors. <i>Molecules</i> , 2018, 23, 2271.	1.7	20
11	Microwave-Assisted Preparation of Organo-Lead Halide Perovskite Single Crystals. <i>Crystal Growth and Design</i> , 2020, 20, 1388-1393.	1.4	20
12	HOMO and LUMO energy levels of N,N'-dinitrophenyl-substituted polar diketopyrrolopyrroles (DPPs). <i>Dyes and Pigments</i> , 2014, 106, 136-142.	2.0	18
13	Interface inductive currents and carrier injection in hybrid perovskite single crystals. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	18
14	Indigoidine - Biosynthesized organic semiconductor. <i>Dyes and Pigments</i> , 2019, 171, 107768.	2.0	13
15	Adamantyl side groups boosting the efficiency and thermal stability of organic solid-state fluorescent dyes. <i>Journal of Luminescence</i> , 2016, 175, 94-99.	1.5	12
16	Singlet Fission in Thin Solid Films of Bis(thienyl)diketopyrrolopyrroles. <i>ChemPlusChem</i> , 2020, 85, 2689-2703.	1.3	12
17	Optical properties of 2,3-diaza-1,3-butadiene bridged oligothiophenes. <i>Synthetic Metals</i> , 2002, 129, 85-94.	2.1	11
18	Cyclic Peptide Stabilized Lead Halide Perovskite Nanoparticles. <i>Scientific Reports</i> , 2019, 9, 12966.	1.6	10

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19	Tunable Properties of Nature-Inspired N,N ^ε -Alkylated Riboflavin Semiconductors. <i>Molecules</i> , 2021, 26, 27.	1.7	10
20	Spectral characteristics of bithiophenes and terthiophenes linked with heterocyclic unit in solution and polymer matrix. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 144, 73-82.	2.0	9
21	Anti-Stokes photoluminescence study on a methylammonium lead bromide nanoparticle film. <i>Nanoscale</i> , 2020, 12, 16556-16561.	2.8	8
22	Seasonal Variation and Sources of Elements in Urban Submicron and Fine Aerosol in Brno, Czech Republic. <i>Aerosol and Air Quality Research</i> , 2021, 21, 200556.	0.9	8
23	Near-infrared absorbing hydrogen-bonded dithioketopyrrolopyrrole (DTPP) n-type semiconductors. <i>Dyes and Pigments</i> , 2022, 197, 109884.	2.0	7
24	Solid-state deep blue and UV fluorescent dyes based on para-bis(2-thienyl)phenylene. <i>Journal of Luminescence</i> , 2015, 167, 222-226.	1.5	6
25	Improved crystallinity of the asymmetrical diketopyrrolopyrrole derivatives by the adamantane substitution. <i>Dyes and Pigments</i> , 2020, 175, 108141.	2.0	6
26	Properties of copolymer of 2,2 ^ε :5 ^ε ,2 ^ε :3 ^ε -terthiophene-5,5 ^ε -dicarboxylic acid and polyethylene oxide. <i>Synthetic Metals</i> , 2004, 140, 301-307.	2.1	5
27	Peptide nucleic acid stabilized perovskite nanoparticles for nucleic acid sensing. <i>Materials Today Chemistry</i> , 2020, 17, 100272.	1.7	5
28	Organic π - π^* Conjugated Molecules: From Nature to Artificial Applications. Where are the Boundaries?. <i>Israel Journal of Chemistry</i> , 2022, 62, .	1.0	5
29	Design rules for the large two-photon absorption diketopyrrolopyrrole-based quadrupolar symmetrical chromophores. <i>Chemical Papers</i> , 2018, 72, 3033-3042.	1.0	4
30	Spectroscopic behavior of alloxazine-based dyes with extended aromaticity: Theory vs Experiment. <i>Optical Materials</i> , 2021, 117, 111205.	1.7	4
31	Fast E/Z UV-light response T-type photoswitching of phenylene-thienyl imines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 430, 113994.	2.0	4
32	Electronic structure and spectroscopic properties of (2S,3S)-2,3-diphenyl-5,6-diheteroaryl-2,3-dihydropyrazines and their model oligomers. <i>Synthetic Metals</i> , 2015, 199, 319-328.	2.1	2
33	Theoretical modeling of optical spectra of N(1) and N(10) substituted lumichrome derivatives. <i>Acta Chimica Slovaca</i> , 2020, 13, 1-9.	0.5	2
34	Optical and Optoelectronic Characterization of Novel Diketopyrrolopyrroles for Organic Electronics and Photonics. <i>Materials Science Forum</i> , 2016, 851, 183-188.	0.3	1
35	Light-induced non-Arrhenian conductivity of the single crystal methylammonium lead bromide perovskites. <i>Solid State Communications</i> , 2020, 307, 113777.	0.9	1
36	Adamantane Substitution Effects on Crystallization and Electrooptical Properties of Epindolidione and Quinacridone Dyes. <i>ChemPhotoChem</i> , 0, , .	1.5	1

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37	Stability Enhancements on Methylammonium Lead-Based Perovskite Nanoparticles: the Smart Use of Host Matrices. Israel Journal of Chemistry, 0, , .	1.0	1
38	The Influence of Diketopyrrolopyrrole Chemical Structure on Organic Field-Effect Transistors Performance. Materials Science Forum, 0, 851, 189-193.	0.3	0
39	Novel Adamantane Asymmetrically Substituted Diketopyrrolopyrroles. , 2021, , 1-11.		0
40	Optical properties of tetrafluorobenzene and thiophene copolymer solutions. AIP Conference Proceedings, 2021, , .	0.3	0