Alytis Gruodis

List of Publications by Year
in descending order

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36	789	623734	501196
papers	citations	14 h-index	28 g-index

36	36	36	1177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spectra and structure of silicon-containing compounds. XXXVI?Raman and infrared spectra, conformational stability,ab initio calculations and vibrational assignment of ethyldibromosilane. Journal of Raman Spectroscopy, 2003, 34, 322-336.	2.5	96
2	Diphenylamineâ€Substituted Carbazoleâ€Based Hole Transporting Materials for Perovskite Solar Cells: Influence of Isomeric Derivatives. Advanced Functional Materials, 2018, 28, 1704351.	14.9	95
3	Impact of Linking Topology on the Properties of Carbazole Trimers and Dimers. Journal of Physical Chemistry C, 2011, 115, 4887-4897.	3.1	74
4	Photolysis of Nitrous Oxide Isotopomers Studied by Time-Dependent Hermite Propagation. Journal of Physical Chemistry A, 2001, 105, 8672-8680.	2.5	71
5	Pyrenyl-Functionalized Fluorene and Carbazole Derivatives as Blue Light Emitters. Journal of Physical Chemistry C, 2012, 116, 7561-7572.	3.1	49
6	Non-symmetric 9,10-diphenylanthracene-based deep-blue emitters with enhanced charge transport properties. Physical Chemistry Chemical Physics, 2014, 16, 7089-7101.	2.8	45
7	Structure-properties relationship of the derivatives of carbazole and 1,8-naphthalimide: Effects of the substitution and the linking topology. Dyes and Pigments, 2015, 114, 239-252.	3.7	39
8	Synthesis and Photophysical Properties of Glass-Forming Bay-Substituted Perylenediimide Derivatives. Journal of Physical Chemistry B, 2010, 114, 1782-1789.	2.6	37
9	Inexpensive Holeâ€Transporting Materials Derived from TrÃ¶ger's Base Afford Efficient and Stable Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 11266-11272.	13.8	37
10	Carbazole-Terminated Isomeric Hole-Transporting Materials for Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 19710-19717.	8.0	28
11	Fluorene-based enamines as low-cost and dopant-free hole transporting materials for high performance and stable perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 301-309.	10.3	25
12	Photophysical properties of 2-phenylanthracene and its conformationally-stabilized derivatives. Dyes and Pigments, 2013, 98, 304-315.	3.7	20
13	Molecular engineering of enamine-based small organic compounds as hole-transporting materials for perovskite solar cells. Journal of Materials Chemistry C, 2019, 7, 2717-2724.	5.5	19
14	Spectroscopy of self-trapped charge-transfer excitons in polar films and crystals of N,N-dimethylaminobenzylidene 1,3-indandione (DMABI). Physical Chemistry Chemical Physics, 1999, 1, 1715-1718.	2.8	16
15	Fluorescence quenching of indolo[3,2-b]carbazole compounds by conformational motions of attached substituents. Dyes and Pigments, 2016, 133, 120-126.	3.7	15
16	Differently substituted benzothiadiazoles as charge-transporting emitters for fluorescent organic light-emitting diodes. Dyes and Pigments, 2019, 166, 217-225.	3.7	14
17	Vibrational spectroscopic studies, conformations andab initio calculations of 1,1,1-trifluoropropyltrifluorosilane. Journal of Raman Spectroscopy, 2003, 34, 711-724.	2.5	11
18	High-triplet-energy carbazole and fluorene tetrads. Journal of Luminescence, 2016, 169, 256-265.	3.1	10

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19	Heterocyclic heptacene analogs â€“ 8H-16,17-epoxydinaphto[2,3-c:2â€²,3â€²-g]carbazoles as charge transport materials. Dyes and Pigments, 2016, 124, 133-144.	3.7	10
20	Conformational equilibria, Raman and infrared spectra andab initio calculations of dichloromethylmethyldichlorosilane. Journal of Raman Spectroscopy, 2001, 32, 303-318.	2.5	9
21	Infrared and Raman spectra, ab initio calculations and conformational equilibria of chloromethyl methyl dichlorosilane. Journal of Molecular Structure, 2001, 597, 137-155.	3.6	8
22	Conformational equilibrium in dimethyl vinyl fluorosilane studied by infrared and Raman spectroscopy. Journal of Molecular Structure, 2000, 554, 251-269.	3.6	7
23	Spectra and structure of silicon containing compounds. XXXI. Raman and infrared spectra, conformational stability, ab initio calculations, and vibrational assignment of ethyl bromosilane and ethyl bromosilane-Si-d2. Journal of Molecular Structure, 2002, 641, 125-146.	3.6	7
24	Cut from the Same Cloth: Enamine-Derived Spirobifluorenes as Hole Transporters for Perovskite Solar Cells. Chemistry of Materials, 2021, 33, 6059-6067.	6.7	7
25	Non-linear Spectral Effects in Films and Crystals of Polar Molecules. Molecular Crystals and Liquid Crystals, 1993, 230, 163-168.	0.3	5
26	Infrared and Raman spectra, ab initio calculations and conformational studies of ethyl iodosilane. Journal of Molecular Structure, 2003, 644, 105-118.	3.6	5
27	Tautomeric forms of PPI dendrimers functionalized with 4-(4â€²-ethoxybenzoyloxy)salicylaldehyde chromophores. Chemical Physics, 2012, 404, 2-8.	1.9	5
28	The influence of substituents of perylenediimides on their spectroscopic properties. Journal of Luminescence, 2018, 195, 252-258.	3.1	5
29	Inexpensive Holeâ€Transporting Materials Derived from TrÃ¶ger's Base Afford Efficient and Stable Perovskite Solar Cells. Angewandte Chemie, 2019, 131, 11388.	2.0	5
30	Conformational studies of aliphatic secondary ozonides (propene, 1-butene and 1-heptene) by means of FTIR spectroscopy. Open Chemistry, 2006, 4, 578-591.	1.9	4
31	An air-stable and solution processable tetracarboxydiimide-based materials with tunable charge transport properties. Dyes and Pigments, 2018, 158, 157-164.	3.7	4
32	On the stability of the hydrogen chloride complexes with ethylene and acetylene. A high resolution gas phase and ab initio study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 733-741.	3.9	3
33	Electronic properties of indan-1,3-dione-carbazole-based compounds revealed by time resolved spectroscopy. Dyes and Pigments, 2014, 105, 208-215.	3.7	3
34	‹title›Excitonic states in polar molecular crystals‹/title›. , 2003, 5122, 224.		1
35	Classification and Operating Principles of Nanodevices. Lecture Notes in Nanoscale Science and Technology, 2018, , 147-206.	0.8	0
36	Hole-transporting materials based on diarylfluorene compounds containing different substituents: DFT simulation, spectroscopic characterization and applications in organic light emitting diodes. Optical Materials, 2021, 119, 111345.	3.6	0