

Viorel CĂ®rcu

List of Publications by Year in descending order

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48
papers

965
citations

430442

18
h-index

476904

29
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50
all docs

50
docs citations

50
times ranked

939
citing authors

#	ARTICLE	IF	CITATIONS
1	Clustomesogens: Liquid Crystal Materials Containing Transition Metal Clusters. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3351-3355.	7.2	121
2	Selective functionalisation of Re6 cluster anionic units: from hexa-hydroxo [Re6Q8(OH)6]4 ⁻ (Q = S, Tj ETQq0 0 Q rgBT /Overlock 10 T	1.6	55
3	Liquid crystal properties resulting from synergetic effects between non-mesogenic organic molecules and a one nanometre sized octahedral transition metal cluster. <i>Chemical Communications</i> , 2011, 47, 2056.	2.2	49
4	Synthesis, mesomorphism and luminescence properties of palladium(II) and platinum(II) complexes with dimeric Schiff base liquid crystals. <i>Inorganica Chimica Acta</i> , 2010, 363, 729-736.	1.2	46
5	Luminescent cyclometallated platinum(II) complexes with N-benzoyl thiourea derivatives as ancillary ligands. <i>Polyhedron</i> , 2009, 28, 3739-3746.	1.0	41
6	Luminescent liquid crystalline materials based on palladium(II) imine derivatives containing the 2-phenylpyridine core. <i>Dalton Transactions</i> , 2014, 43, 1151-1161.	1.6	35
7	Reaction of Bis(phosphine)(hydrotris(3,5-dimethylpyrazolyl)borato)rhodium(I) with Phenylacetylene, p-Nitrobenzaldehyde, and Triphenyltin Hydride: Structures of [Rh(Tp*)(PPh3)2], [Rh(Tp*)(H)(C2Ph){P(4-C6H4F)3}], [Rh(Tp*)(H)(COC6H4-4-NO2)(PPh3)], and [Rh(Tp*)(H)(SnPh3)(PPh3)]. <i>Inorganic Chemistry</i> , 2002, 41, 3859-3865.	1.9	33
8	Mesomorphic behaviour of N-benzoyl-N ² -aryl thioureas liquid crystalline compounds. <i>Journal of Molecular Structure</i> , 2011, 987, 1-6.	1.8	31
9	Synthesis, characterization and thermal behaviour of ortho-metallated Pd(II) complexes containing N-benzoylthiourea derivatives. <i>Polyhedron</i> , 2008, 27, 3537-3544.	1.0	28
10	Nematic ionic liquid crystals based on pyridinium salts derived from 4-hydroxypyridine. <i>CrystEngComm</i> , 2016, 18, 5066-5069.	1.3	26
11	Enhancement of smectic C mesophase stability by using branched alkyl chains in the auxiliary ligands of luminescent Pt(II) and Pd(II) complexes. <i>Polyhedron</i> , 2014, 69, 31-39.	1.0	25
12	Thermotropic Luminescent Clustomesogen Showing a Nematic Phase: A Combination of Experimental and Molecular Simulation Studies. <i>Chemistry - A European Journal</i> , 2014, 20, 8561-8565.	1.7	25
13	Effect of counterion on the mesomorphic behavior and optical properties of columnar pyridinium ionic liquid crystals derived from 4-hydroxypyridine. <i>Journal of Molecular Structure</i> , 2015, 1083, 245-251.	1.8	23
14	Orthometallated palladium(II) imine complexes as candidate materials for the biaxial nematic phase. Crystal and molecular structure of three palladium imine complexes. <i>Journal of Materials Chemistry</i> , 2006, 16, 4316-4325.	6.7	21
15	Mesomorphic behaviour and TSDC measurements of ortho-metallated palladium(II) and platinum(II) complexes with S,O-donor co-ligands. <i>Liquid Crystals</i> , 2009, 36, 123-132.	0.9	21
16	Cyclometalated palladium(II) metallomesogens with Schiff bases and N-benzoyl thiourea derivatives as co-ligands. <i>Journal of Molecular Liquids</i> , 2017, 233, 45-51.	2.3	21
17	Luminescent palladium(II) metallomesogens based on cyclometalated Schiff bases and N-benzoyl thiourea derivatives as co-ligands. <i>Journal of Organometallic Chemistry</i> , 2017, 836-837, 81-89.	0.8	21
18	Dielectric investigations on carbon nanotubes doped polymer dispersed liquid crystal films. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	21

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19	Liquid crystals based on silver carbene complexes derived from dimeric bis(imidazolium) bromide salts. <i>RSC Advances</i> , 2014, 4, 59491-59497.	1.7	20
20	Mesomorphism of ortho- ϵ -metallated imine complexes of the β -diketonatoplatinum(II) fragment. Crystal and molecular structure of three platinum imine complexes. <i>Liquid Crystals</i> , 2007, 34, 1463-1472.	0.9	17
21	Thermal behaviour and electro-optical properties of a series of liquid crystals based on palladium complexes with mixed ligands. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 877-886.	2.0	17
22	From Mesomorphic Phosphine Oxide to Clustomesogens Containing Molybdenum and Tungsten Octahedral Cluster Cores. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10921-10925.	7.2	16
23	A new class of thermotropic lanthanidomesogens: Eu(III) nitrate complexes with mesogenic 4-pyridone ligands. <i>Dalton Transactions</i> , 2015, 44, 14196-14199.	1.6	16
24	Synthesis and liquid crystalline properties of novel fluorinated N-benzoyl thiourea compounds. Effect of perfluoroalkyl chains on the thermal behavior and smectic phases stability. <i>Journal of Fluorine Chemistry</i> , 2017, 204, 84-89.	0.9	15
25	Differential negative resistance in the current-voltage characteristics of a new palladium(II) metallomesogen. <i>Liquid Crystals</i> , 2011, 38, 757-765.	0.9	14
26	Analysis of bimodal thermally-induced denaturation of type I collagen extracted from calfskin. <i>RSC Advances</i> , 2015, 5, 38391-38406.	1.7	14
27	Title is missing!. <i>Journal of Chemical Crystallography</i> , 2002, 32, 273-278.	0.5	13
28	Possible transition from rod-like to disc-like behaviour in ortho- ϵ -metallated imine complexes of palladium(II): crystal and molecular structure of three palladium complexes. <i>Liquid Crystals</i> , 2005, 32, 1437-1447.	0.9	13
29	Hydrogels Obtained via γ -Irradiation Based on Poly(Acrylic Acid) and Its Copolymers with 2-Hydroxyethyl Methacrylate. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4960.	1.3	13
30	Dielectric properties of a bisimidazolium salt with dodecyl sulfate anion doped with carbon nanotubes. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 164-174.	1.5	12
31	Effect of titanium oxide nanoparticles on the dielectric properties and ionic conductivity of a new smectic bis-imidazolium salt with dodecyl sulfate anion and cyanobiphenyl mesogenic groups. <i>Journal of Molecular Liquids</i> , 2020, 317, 113939.	2.3	11
32	Voltage-Driven Photoluminescence Modulation of Liquid-Crystalline Hybridized ZnO Nanoparticles. <i>Chemistry - A European Journal</i> , 2014, 20, 13770-13776.	1.7	10
33	Simple and double pyridinium salts with cyanobiphenyl groups as ionic liquids and ionic liquid crystals: synthesis and investigation of thermal behavior. <i>Research on Chemical Intermediates</i> , 2018, 44, 2025-2038.	1.3	10
34	Synthesis and thermal, emission and dielectric properties of liquid crystalline Eu(III), Sm(III) and Tb(III) complexes based on mesogenic 4-pyridone ligands functionalized with cyanobiphenyl groups. <i>Journal of Molecular Liquids</i> , 2019, 290, 111184.	2.3	10
35	Wide-Range Columnar and Lamellar Photoluminescent Liquid-Crystalline Lanthanide Complexes with Mesogenic 4-Pyridone Derivatives. <i>Chemistry - A European Journal</i> , 2018, 24, 13512-13522.	1.7	9
36	Polymer dispersed liquid crystals films doped with carbon nanotubes: preparation methods. , 2018, , .		8

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37	Influence of hydrocarbon moieties of partially fluorinated N-benzoyl thiourea compounds on their gelation properties. A detailed rheological study of complex viscoelastic behavior of decanol/ N-benzoyl thiourea mixtures. <i>Journal of Molecular Liquids</i> , 2018, 255, 297-312.	2.3	7
38	Discotic Liquid Crystals Based on Cu(I) Complexes with Benzoylthiourea Derivatives Containing a Perfluoroalkyl Chain. <i>Journal of Chemistry</i> , 2018, 2018, 1-10.	0.9	7
39	Synthesis and characterization of novel acylthiourea compounds used in ions recognition and sensing in organic media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 258, 119860.	2.0	7
40	Luminescent heteroleptic copper(I) complexes with phosphine and N-benzoyl thiourea ligands: Synthesis, structure and emission properties. <i>Polyhedron</i> , 2022, 211, 115542.	1.0	7
41	Bis-imidazolium salts with alkyl sulfates as counterions: synthesis and liquid crystalline properties. <i>New Journal of Chemistry</i> , 2017, 41, 11113-11124.	1.4	6
42	Ionic Liquid Crystals Based on Pyridinium Salts. , 0, , .		6
43	Luminescent lanthanides complexes with mesogenic pyridone ligands: Emission and liquid crystals properties. <i>Polyhedron</i> , 2020, 190, 114748.	1.0	6
44	Columnar bis(pyridinium) ionic liquid crystals derived from 4-hydroxypyridine: synthesis, mesomorphism and emission properties. <i>Liquid Crystals</i> , 0, , 1-12.	0.9	5
45	Thermal and Emission Properties of a Series of Lanthanides Complexes with N-Biphenyl-Alkylated-4-Pyridone Ligands: Crystal Structure of a Terbium Complex with N-Benzyl-4-Pyridone. <i>Molecules</i> , 2021, 26, 2017.	1.7	4
46	Effect of disubstitution pattern of the terminal alkyl chains on the mesophase of liquid crystals based on lanthanide(III) complexes: A study of the thermal, emission and dielectric behavior. <i>Journal of Molecular Liquids</i> , 2022, 360, 119425.	2.3	3
47	Dinuclear ortho-Metallated Palladium(II) Complexes with Acetato and Chloro Bridges as Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 534, 41-49.	0.4	2
48	Evidence of Counterion Size Effect on the Stability of Columnar Phase of Ionic Liquid Crystals Based on Pyridinium Salts Derived from N-3,4,5-Tri(alkyloxy)-benzyl-4-pyridones. <i>Crystals</i> , 2022, 12, 715.	1.0	2