Valerii V Vashchenko

List of Publications by Year
in descending order

74	660	567281 15	610901 24
papers	citations	h-index	g-index

78	78	78	604
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unidirectionally aligned bright quantum rods films, using T-shape ligands, for LCD application. Nano Research, 2022, 15, 5392-5401.	10.4	8
2	Inkjetâ€Printed, Flexible Fullâ€Color Photoluminescenceâ€Type Color Filters for Displays. Advanced Engineering Materials, 2022, 24, .	3.5	10
3	p-Terphenyl-containing symmetric tetraesters for nano-scale pitch ferroelectric liquid crystal materials. Journal of Molecular Liquids, 2022, 356, 119051.	4.9	6
4	Pâ€86: Inkâ€Jet Printed Stable Fullâ€Color Perovskite and Quantum Rod Color Filter. Digest of Technical Papers SID International Symposium, 2022, 53, 1347-1350.	0.3	1
5	Thermally Stable Quantum Rods, Covering Full Visible Range for Display and Lighting Application. Small, 2021, 17, e2004487.	10.0	20
6	Quantum Rods: Thermally Stable Quantum Rods, Covering Full Visible Range for Display and Lighting Application (Small 3/2021). Small, 2021, 17, 2170011.	10.0	2
7	26.2: Invited Paper: Photoâ€aligned Red, Green and Blue QRs for the LCD Brightness Enhancement. Digest of Technical Papers SID International Symposium, 2021, 52, 168-168.	0.3	0
8	51.2: Photoalignment and Photopatterning of Highly Concentrated Quantum Rods Embedded in Liquid Crystal Polymer Matrix. Digest of Technical Papers SID International Symposium, 2021, 52, 339-340.	0.3	2
9	Progress toward blue-emitting (460â€“475Ânm) nanomaterials in display applications. Nanophotonics, 2021, 10, 1801-1836.	6.0	20
10	Stable bright perovskite nanoparticle thin porous films for color enhancement in modern liquid crystal displays. Nanoscale, 2021, 13, 6400-6409.	5.6	16
11	Quantumâ€Rod Onâ€Chip LEDs for Display Backlights with Efficacy of 149ÂlmÂW^{â^'1}: A Step toward 200ÂlmÂW^{â^'1}. Advanced Materials, 2021, 33, e2104685.	21.0	30
12	A facile non-injection phosphorus-free synthesis of semiconductor nanoparticles using new selenium precursors. CrystEngComm, 2020, 22, 786-793.	2.6	2
13	Pâ€112: Stabilization of Perovskite Quantum Dots in Polymer Matrix in Thin Porous Film for Display Technology. Digest of Technical Papers SID International Symposium, 2020, 51, 1771-1774.	0.3	0
14	Pâ€104: Photoâ€aligned Quantum Rods with Tâ€Shaped Ligands Based on Liquidâ€Crystal Polymer Matrix. Digest of Technical Papers SID International Symposium, 2020, 51, 1745-1747.	0.3	3
15	Versatile approaches to a library of building blocks based on 5-acylthiazole skeleton. Synthetic Communications, 2020, 50, 3616-3628.	2.1	3
16	Pâ€111: Red, Green, and Blue Quantum Rod Based Electroluminescent Lightâ€Emitting Diodes. Digest of Technical Papers SID International Symposium, 2020, 51, 1768-1770.	0.3	0
17	Pâ€155: Stabilization of Perovskite Quantum Dots in Polymer Matrix in Thin Porous Film for Display Technology. Digest of Technical Papers SID International Symposium, 2020, 51, 1971-1974.	0.3	1
18	Crystal structures of the flavonoid Oroxylin A and the regioisomers Negletein and Wogonin. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 490-499.	0.5	2

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19	40.3: Inversion Charge for Memory Display under Passively Addressed Driving using Photoâ€aligned Ferroelectric Liquid Crystal. Digest of Technical Papers SID International Symposium, 2019, 50, 449-451.	0.3	0
20	Tandem crystallization strategies for resolution of 3,3,3â€trifluorolactic acid [CF 3 CH(OH)COOH] by chiral benzylamines. Chirality, 2019, 31, 979-991.	2.6	3
21	Pâ€9.11: Photo Aligned Quantum Rod Films by Printing with Extended Color Gamut. Digest of Technical Papers SID International Symposium, 2019, 50, 884-884.	0.3	0
22	Formulation of a Composite System of Liquid Crystals and Lightâ€Emitting Semiconductor Quantum Rods: From Assemblies in Solution to Photoaligned Films. Advanced Materials Technologies, 2019, 4, 1900695.	5.8	13
23	13â€4: Passively Addressed Helixâ€Free Ferroelectric Liquid Crystal for Fast Response Biâ€Stable Display. Digest of Technical Papers SID International Symposium, 2019, 50, 172-175.	0.3	0
24	32â€2: Surface Ligands Optimization of Semiconductor CdSe/CdS Nanorods Aligned in Liquid Crystal Polymer Matrix. Digest of Technical Papers SID International Symposium, 2019, 50, 447-449.	0.3	0
25	The nano-scale pitch ferroelectric liquid crystal materials for modern display and photonic application employing highly effective chiral components: Trifluoromethylalkyl diesters of p-terphenyldicarboxylic acid. Journal of Molecular Liquids, 2019, 281, 186-195.	4.9	28
26	Photo Aligned Quantum Rod Films by inkjet Printing for modern LCDs with Extended Color Gamut. , 2019, , .		0
27	Inkjet-printed aligned quantum rod enhancement films for their application in liquid crystal displays. Nanoscale, 2019, 11, 20837-20846.	5.6	26
28	Ligand Shell Engineering to Achieve Optimal Photoalignment of Semiconductor Quantum Rods for Liquid Crystal Displays. Advanced Functional Materials, 2019, 29, 1805094.	14.9	25
29	Ferromagnetic nanoparticles in a ferroelectric liquid crystal: Properties of stable colloids in homogeneous cells. Journal of Molecular Liquids, 2018, 267, 353-362.	4.9	9
30	64â€3: Photo Aligned Quantum Rod films by Inkjet Printing. Digest of Technical Papers SID International Symposium, 2018, 49, 847-849.	0.3	2
31	Polymorphism of anhydrous cadmium oxalate CdC2O4. Journal of Alloys and Compounds, 2017, 726, 751-757.	5.5	5
32	Recent Progress in Selenophenes Synthesis from Inorganic Se-Precursors. Current Organic Synthesis, 2017, 14, .	1.3	6
33	Magnetic actuation of a thermodynamically stable colloid of ferromagnetic nanoparticles in a liquid crystal. Soft Matter, 2016, 12, 6601-6609.	2.7	33
34	Ultrashort helix pitch antiferroelectric liquid crystals based on chiral esters of terphenyldicarboxylic acid. Journal of Materials Chemistry C, 2016, 4, 10339-10346.	5.5	16
35	Dielectric properties of magnetic nanoparticlesâ€™ suspension in a ferroelectric liquid crystal. Liquid Crystals, 2015, 42, 334-343.	2.2	21
36	Towards New Oligomesogenic Phosphonic Acids as Stabilizers of Nanoparticles Colloids in Nematic Liquid Crystals. Synlett, 2015, 26, 1905-1910.	1.8	10

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37	Syntheses of (R)- and (S)-enantiomeric 1,1,1-trifluoromethyl-2-alkanols with high enantiomeric purity controlled through derivatization with l-menthyl phthalate. Tetrahedron Letters, 2015, 56, 5956-5959.	1.4	3
38	Impact of dendritic interface modifiers on phase behavior of polyvinylcarbazol-CdSe/ZnS nanocomposite films. Colloid and Polymer Science, 2014, 292, 707-713.	2.1	4
39	A synthetic strategy toward branched oligomesogenic phosphonic acids: comparison of alternative pathways. Tetrahedron Letters, 2014, 55, 275-278.	1.4	9
40	Dispersion and aggregation of quantum dots in polymerâ€“inorganic hybrid films. Thin Solid Films, 2013, 537, 226-230.	1.8	24
41	Surface magnetic anisotropy of CoFe2O4 nanoparticles with a giant low-temperature hysteresis. Low Temperature Physics, 2013, 39, 365-369.	0.6	9
42	Thermodynamically Stable Dispersions of Quantum Dots in a Nematic Liquid Crystal. Langmuir, 2013, 29, 9301-9309.	3.5	73
43	Retro-aldol reactions in micellar media. Monatshefte FÃ¼r Chemie, 2012, 143, 1545-1549.	1.8	8
44	Dispersion of magnetic nanoparticles in a polymorphic liquid crystal. Liquid Crystals, 2012, 39, 1512-1526.	2.2	23
45	Piezoelectric and flexoelectric effects in ferroelectric liquid crystals. Physical Review E, 2012, 86, 031705.	2.1	9
46	Liquid Crystalline 4,4â€²-diaryl-2,2â€²-bithiazoles. Molecular Crystals and Liquid Crystals, 2011, 542, 115/[637]-122/[644].	0.9	3
47	Light Scattering of Short Helix Pitch Ferroelectric Liquid Crystal. Molecular Crystals and Liquid Crystals, 2009, 510, 12/[1146]-20/[1154].	0.9	6
48	New Chiral Dopant Possessing High Twisting Power. Molecular Crystals and Liquid Crystals, 2009, 509, 300/[1042]-308/[1050].	0.9	30
49	Unusual pathway of alkylation of 2-(4-bromobenzylidene)-p-menthan-3-one with ethyl bromoacetate. Russian Chemical Bulletin, 2007, 56, 2506-2509.	1.5	1
50	Influence of Chiral Dopant Molecular Structure on Ferroelectric Liquid Crystal Parameters. Ferroelectrics, 2006, 343, 33-40.	0.6	2
51	Synthesis of 4-[(1R,4R)-3-Oxo-p-menthan-2-ylidenemethyl]benzoic Acid and Its Esters. Russian Journal of General Chemistry, 2005, 75, 622-627.	0.8	2
52	New (1R,4R)-2-arylidene-p-menthan-3-ones with a bridging ester group in the arylidene fragment. Synthesis and behavior in liquid-crystalline systems. Russian Chemical Bulletin, 2003, 52, 2406-2418.	1.5	7
53	Ferroelectric liquid crystal mixtures containing chiral ether and ester compounds with the 2-arylidene-p-menthan-3-one skeleton. , 2002, , .		4
54	Induced cholesteric systems based on some cyano derivatives as host phases. , 2002, , .		0

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55	Chiral ethers with the 2-arylidene- p -menthan-3-one skeleton as components of induced cholesteric systems. , 2002, 4759, 159.		0
56	Molecular and crystal structures of 1R,4R-cis-2-(4-hydroxybenzylidene)-p-menthan-3-one. Crystallography Reports, 2002, 47, 805-811.	0.6	1
57	Molecular and Crystal Structure of (1R)-2-arylidene-p-(4-menthen)-3-ones. Journal of Structural Chemistry, 2002, 43, 330-337.	1.0	2
58	Title is missing!. Journal of Structural Chemistry, 2002, 43, 1011-1018.	1.0	0
59	<title>Molecular and crystalline structure of some new derivatives of p-menthane-3-ones: chiral components of liquid crystalline systems</title>. , 2001, , .		0
60	<title>New chiral E and Z isomers of the 1R,4R-2-arylidene-p-menthane-3-ones in induced cholesteric and ferroelectric liquid crystals</title>. , 2001, , .		4
61	Title is missing!. Journal of Structural Chemistry, 2001, 42, 84-91.	1.0	0
62	Conformations of Z- and E-isomers of some chiral (1R,4R)-2-arylidene-p-menthan-3-ones. Russian Chemical Bulletin, 2001, 50, 1596-1604.	1.5	5
63	Molecular and crystal structures of 1R,4R-cis-2-(4-phenylbenzylidene)-n-menthan-3-one. Crystallography Reports, 2001, 46, 214-218.	0.6	3
64	Molecular and crystal structures of chiral 2-(4-phenylbenzylidene)-3-methyl-6-isopropylcyclohexanone 6-bromo derivative. Crystallography Reports, 2001, 46, 980-985.	0.6	2
65	New Chiral Ether Derivatives of 2-Arylidene-p-Menthane-3-Ones as Components of Induced Ferroelectric Systems. Molecular Crystals and Liquid Crystals, 2001, 364, 557-565.	0.3	3
66	New Chiral Esters, Diastereomeric 2-(4-Carboxybenzylidene)-p-Menthane-3-One Derivatives, as Components of LC Systems with Induced Helical Structure. Molecular Crystals and Liquid Crystals, 2001, 364, 691-701.	0.3	6
67	New N-Arylidene (S)-1-Phenylethylamines as the Components of Induced Short-Pitch Cholesterics. Molecular Crystals and Liquid Crystals, 2001, 357, 43-54.	0.3	6
68	Rearrangement products of some 1R,4R-2-arylidene-p-menthan-3-ones in acidic media, their structures, and conformational analysis. Russian Chemical Bulletin, 2000, 49, 1218-1230.	1.5	3
69	Molecular and crystal structures of stereoisomeric2R,3R,6S-2-(1â€²S-hydroxy-1â€²-biphenylyl)- and2R,3R,6S-2-(1â€²R-hydroxy-1â€²-biphenylyl)methyl-3-methyl-6-isopropylcyclohexanones. Russian Chemical Bulletin, 1998, 47, 2182-2188.	1.5	1
70	<title>Liquid crystal composites with PSCT</title>. , 1998, , .		0
71	Chiral ?-hydroxycarbonyl compounds based on (?)-menthone: structure and behavior in liquid crystalline systems. Russian Chemical Bulletin, 1995, 44, 1200-1209.	1.5	3
72	Molecular structure and conformational analysis of chirai (?)-3-(4-bromobenzylidene)-1-isopropyl-2-methoxy-4-methylcyclohexene. Russian Chemical Bulletin, 1995, 44, 2331-2336.	1.5	0

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73	Photosensitive chiral dopants with high twisting power. Liquid Crystals, 1994, 16, 877-882.	2.2	78
74	Use of X-ray diffraction data in stereochemical studies of (â˜)-menthone reactions with aromatic aldehydes. Journal of Structural Chemistry, 1994, 35, 688-696.	1.0	3