

# Oleg V Lukin

## List of Publications by Year in descending order

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76  
papers

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279487

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87  
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87  
docs citations

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times ranked

2904  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Polymers: Just a Dream of Synthetic Chemists?. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1030-1069.	7.2	651
2	Knotting and Threading of Molecules: Chemistry and Chirality of Molecular Knots and Their Assemblies. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1456-1477.	7.2	192
3	Drug- and Lead-likeness, Target Class, and Molecular Diversity Analysis of 7.9 Million Commercially Available Organic Compounds Provided by 29 Suppliers. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 470-479.	2.5	87
4	<sup>1</sup> H and <sup>13</sup> C NMR and Molecular Dynamics Study of Chiral Recognition of Camphor Enantiomers by $\beta$ -Cyclodextrin. <i>Journal of Organic Chemistry</i> , 1999, 64, 1503-1507.	1.7	67
5	Rationalizing the Strength of Hydrogen-Bonded Complexes. Ab Initio HF and DFT Studies. <i>Journal of Physical Chemistry A</i> , 2002, 106, 6775-6782.	1.1	67
6	Knotanes and Rotaxanes with Knots as Stoppers. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4542-4545.	7.2	51
7	Designer Dendrimers: Branched Oligosulfonimides with Controllable Molecular Architectures. <i>Journal of the American Chemical Society</i> , 2006, 128, 8964-8974.	6.6	48
8	Selective Derivatization of Resorcarenes. 3-C <sub>2</sub> -Symmetrical and Transcavity Bridged Bis-Benzoxazines Derived from C <sub>2v</sub> -Symmetrical Tetratosylates. <i>Journal of the American Chemical Society</i> , 1998, 120, 4319-4326.	6.6	47
9	Synthesis, Conformation, and Binding Properties of Resorcarene Tetrasulfonates. Asymmetric Reorganization of Pendant Sulfonyl Groups via Intramolecular SO <sub>2</sub> -H <sub>2</sub> O Hydrogen Bonds. <i>Journal of Organic Chemistry</i> , 1998, 63, 9510-9516.	1.7	46
10	Host-guest interactions of calix[4]resorcinarenes with benzene derivatives in conditions of reversed-phase high-performance liquid chromatography. Determination of stability constants. <i>Journal of Physical Organic Chemistry</i> , 1998, 11, 426-437.	0.9	40
11	Residual Topological Isomerism of Intertwined Molecules. <i>Chemistry - A European Journal</i> , 2004, 10, 1878-1883.	1.7	38
12	Ab initio calculations of the NMR spectra of [1.1.1]propellane and bicyclo[1.1.1]pentane. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 1986-1991.	1.3	36
13	Topologically Chiral Covalent Assemblies of Molecular Knots with Linear, Branched, and Cyclic Architectures. <i>Chemistry - A European Journal</i> , 2004, 10, 2804-2810.	1.7	35
14	A Combined ESI- and MALDI-MS(/MS) Study of Peripherally Persulfonylated Dendrimers: False Negative Results by MALDI-MS and Analysis of Defects. <i>Chemistry - A European Journal</i> , 2005, 11, 5625-5636.	1.7	35
15	Covalent Chemistry and Conformational Dynamics of Topologically Chiral Amide-Based Molecular Knots. <i>Chemistry - A European Journal</i> , 2003, 9, 3507-3517.	1.7	33
16	A Topologically Chiral Molecular Dumbbell. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 442-445.	7.2	33
17	Selective Acylation of Calixresorcinolarene. <i>Tetrahedron Letters</i> , 1995, 36, 7725-7728.	0.7	31
18	Molecular mechanics calculations of molecular and chiral recognition by cyclodextrins. Is it reliable? The selective complexation of decalins by $\beta$ -cyclodextrin. <i>Computational and Theoretical Chemistry</i> , 2000, 503, 221-230.	1.5	30

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19	Molecular mechanics study of endohedral fullerene complexes with small molecules. <i>Carbon</i> , 2001, 39, 1907-1911.	5.4	30
20	Dependence of the average energy between the 1:2 complexes of enantiomeric $\hat{1}\pm$ -pinenes with $\hat{1}\pm$ -cyclodextrin on the length of dynamic simulation. <i>Chemical Physics Letters</i> , 2000, 327, 18-22.	1.2	25
21	NMR manifestations and molecular dynamics modeling of chiral recognition of $\hat{1}\pm$ -pinenes by $\hat{1}\pm$ -cyclodextrin. <i>Journal of Molecular Structure</i> , 2000, 523, 205-212.	1.8	23
22	O-Phosphorylated calix[4]arenes as Li <sup>+</sup> -selective receptors. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 468-473.	0.9	23
23	Amide-Based Molecular Knots as Platforms for Fluorescent Switches. <i>Chemistry - A European Journal</i> , 2006, 12, 5685-5690.	1.7	23
24	Compounds bearing multiple photoreactive chalcone units: Synthesis and study towards 2D polymerization in Langmuir monolayers. <i>Polymer</i> , 2015, 70, 1-7.	1.8	22
25	A facile synthesis of unsymmetrical ureas. <i>Tetrahedron</i> , 2011, 67, 3619-3623.	1.0	21
26	Mechanisms for Fluorescence Depolarization in Dendrimers. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6620-6627.	1.2	20
27	Synthesis of Compounds Presenting Three and Four Anthracene Units as Potential Connectors To Mediate Infinite Lateral Growth at the Air/Water Interface. <i>Chemistry - A European Journal</i> , 2008, 14, 10797-10807.	1.7	19
28	Facile Synthesis of 4 <i>H</i> -1,2,4-Benzothiadiazine-1,1-dioxides. <i>Synthetic Communications</i> , 2011, 41, 1977-1989.	1.1	19
29	Eine topologisch chirale molekulare Hantel. <i>Angewandte Chemie</i> , 2003, 115, 458-461.	1.6	18
30	A one-pot, non-catalytic approach to 1,2,4-benzothiadiazine-1,1-dioxides. <i>Tetrahedron</i> , 2011, 67, 6233-6239.	1.0	17
31	Controllable, Selective Per-Functionalization of Dendritic Oligoamines. <i>Organic Letters</i> , 2004, 6, 1075-1078.	2.4	15
32	Engineering crystals of dendritic molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10922-10927.	3.3	15
33	An easy synthesis of $\hat{1}\pm$ -trifluoromethyl-amines from aldehydes or ketones using the Ruppert-Prakash reagent. <i>Tetrahedron Letters</i> , 2013, 54, 1897-1898.	0.7	15
34	A dynamic NMR study of self-inclusion of a pendant group in amphiphilic 6-thiophenyl-6-deoxycyclodextrins. <i>Journal of Molecular Structure</i> , 2000, 519, 33-36.	1.8	14
35	First generation TREN dendrimers functionalized with naphthyl and/or dansyl units. Ground and excited state electronic interactions and protonation effects. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 471-479.	1.6	14
36	Ease of formation of nested fullerenes. <i>Chemical Physics Letters</i> , 2000, 329, 351-356.	1.2	13

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37	Persulfonylation of Amines Applied to the Synthesis of Higher Generation Dendrimers. <i>Journal of Organic Chemistry</i> , 2008, 73, 3562-3565.	1.7	13
38	A Topological View of Isomeric Dendrimers. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4148-4156.	1.2	12
39	Efficient synthesis of chalcone-4-sulfonyl chlorides and fluorides. <i>Tetrahedron Letters</i> , 2018, 59, 372-374.	0.7	12
40	Diastereoisomeric Molecular Knots by Combination of Central and Topological Chiralities. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 1236-1238.	1.2	10
41	Towards a Selective Functionalization of Amino-Terminated Dendrimers. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4717-4724.	1.2	10
42	A Photophysical Study of Terphenyl Core Oligosulfonimide Dendrimers Exhibiting High Steady-State Anisotropy. <i>ChemPhysChem</i> , 2006, 7, 1980-1984.	1.0	10
43	A Facile Synthesis of 1-Chloro-2,2,2-trifluoroethyl Sulfides. <i>Synthesis</i> , 2010, 2010, 1159-1165.	1.2	10
44	Diastereoselective formation of cyclochiral amino acids-substituted resorcin[4]arenes. <i>Tetrahedron Letters</i> , 2005, 46, 7423-7426.	0.7	9
45	A convergent approach to sulfonimide-based dendrimers and dendrons. <i>Tetrahedron Letters</i> , 2020, 61, 152011.	0.7	9
46	A Facile Synthesis of 1,3-Thiazole-4-sulfonyl Chlorides. <i>Synthetic Communications</i> , 2012, 42, 2866-2875.	1.1	8
47	Synthesis of pyrazolo[3,4-d]-4,5-dihydropyrimidin-6-ones. <i>Tetrahedron Letters</i> , 2014, 55, 1846-1847.	0.7	8
48	An optimized divergent synthesis of sulfonimide-based dendrimers achieving the fifth generation. <i>Synthetic Communications</i> , 2019, 49, 3536-3545.	1.1	7
49	Sulfonimide-Based Dendrimers: Progress in Synthesis, Characterization, and Potential Applications. <i>Polymers</i> , 2020, 12, 2987.	2.0	7
50	Dendronized Polymers with Aromatic Sulfonimide Dendrons. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1538-1549.	1.1	6
51	Reply to Comment on "Rationalizing the Strength of Hydrogen-Bonded Complexes. Ab Initio HF and DFT Studies". <i>Journal of Physical Chemistry A</i> , 2003, 107, 9251-9252.	1.1	5
52	Toward a Reversible Isolation of a C <sub>20</sub> Fullerene Inside a Tetraureacalix[4]arene Dimer. A Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9405-9410.	1.1	5
53	Dendrimers with a Pentaphenylene Core: A Photophysical Study. <i>ChemPhysChem</i> , 2009, 10, 265-269.	1.0	5
54	Synthesis of isomeric fluoronitrobenzene-sulfonyl chlorides. <i>Tetrahedron</i> , 2010, 66, 5982-5986.	1.0	5

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55	An Efficient and Safe Method for the Multigram Synthesis of trans-2-(Trifluoromethyl)cyclopropylamine. <i>Synthesis</i> , 2012, 44, 1152-1154.	1.2	5
56	Synthesis of sulfonimide-based dendrimers and dendrons possessing mixed 1° and 4° branching motifs. <i>Tetrahedron Letters</i> , 2019, 60, 352-354.	0.7	5
57	Binding properties and self-assembly of C <sub>2v</sub> -symmetrical resorcin[4]arene tetrabenzoates. <i>Tetrahedron</i> , 2012, 68, 9429-9434.	1.0	4
58	A Noncatalytic Approach to Hetaryl-Annulated 1,2,4-Thiadiazine-1,1-dioxides. <i>Journal of Heterocyclic Chemistry</i> , 2013, 50, 1071-1077.	1.4	4
59	Synthesis of sulfonimide-based branched arylsulfonyl chlorides. <i>Tetrahedron Letters</i> , 2016, 57, 308-309.	0.7	4
60	Reactions of t-Boc-Protected Amines with Difluorocarbene. <i>Synthesis</i> , 2019, 51, 2579-2583.	1.2	4
61	A solution-phase parallel synthesis of alkylated guanidines from thioisocyanates and amines. <i>Molecular Diversity</i> , 2013, 17, 471-477.	2.1	3
62	A One-Pot, Three-Step Synthesis of $\beta$ -Aminophosphonic Acids. <i>Synthesis</i> , 2014, 46, 2079-2084.	1.2	3
63	A comprehensive test of computational approaches for evaluation of cyclodextrin complexes. Self-inclusion in monosubstituted $\beta$ -cyclodextrins – a case study. <i>Tetrahedron</i> , 2017, 73, 5302-5306.	1.0	3
64	Selective Synthesis of exo-Spiro[2.2]-difluorocyclopropane-3,2-tropanes]. <i>Synthesis</i> , 2020, 52, 1015-1024.	1.0	3
65	Theoretical studies of capsular complexes of C <sub>2v</sub> -symmetrical resorcin[4]arene tetraesters with tetramethylammonium cation. <i>Computational and Theoretical Chemistry</i> , 2019, 1159, 12-17.	1.1	2
66	Selective synthesis of <i>N</i> -protected <i>exo</i> -spiro[oxirane-3,2-tropanes]. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1692-1697.	2.3	2
67	Covalent and noncovalent films made up of sulfonimide-based dendrimers. <i>Applied Surface Science</i> , 2021, 535, 146345.	3.1	2
68	Simple Synthesis of Complex Amines from the Diels-Alder Adducts of ( $\beta$ )-Cytisine. <i>Synthesis</i> , 0, . .	1.2	2
69	A Facile Synthesis of Isomeric C-(2,2,2-Trifluoroethyl)anilines. <i>Synthesis</i> , 2012, 44, 1974-1976.	1.2	1
70	An Improved Synthesis of 2-, 3-, and 4-(Trifluoromethyl)cyclohexylamines. <i>Synthesis</i> , 2012, 44, 2739-2742.	1.2	1
71	A helically folded poly(m,p-phenylene). <i>Tetrahedron</i> , 2015, 71, 4132-4136.	1.0	1
72	From Functionalised Catenanes, Rotaxanes and Knots to Higher Intertwined Assemblies. , 2005, , 15-36.		1

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73	Controllable, Selective Per-Functionalization of Dendritic Oligoamines.. ChemInform, 2004, 35, no.	0.1	0
74	Knotting and Threading of Molecules: Chemistry and Chirality of Molecular Knots and Their Assemblies. ChemInform, 2005, 36, no.	0.1	0
75	Photopolymerized two-dimensional organic films with calix[4]arene scaffold. Materials Today Communications, 2020, 25, 101334.	0.9	0
76	Tropane-Based Dispirocyclic Oxiranes and Spirocyclic Ketones. Synthesis, 2022, 54, 723-731.	1.2	0