

# Valery A Ozeryanskii

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Organometallic Synthesis, Molecular Structure, and Coloration of 2,7-Disubstituted 1,8-Bis(dimethylamino)naphthalenes. How Significant Is the Influence of $\pi$ -Buttressing Effect on Their Basicity?. <i>Journal of Organic Chemistry</i> , 2003, 68, 10109-10122.	3.2	80
2	[NHN] <sup>+</sup> Hydrogen Bonding in Protonated 1,8-Bis(dimethylamino)-2,7-dimethoxynaphthalene. X-ray Diffraction, Infrared, and Theoretical ab Initio and DFT Studies. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1637-1642.	2.5	47
3	Low barrier hydrogen bond in protonated proton sponge. X-ray diffraction, infrared, and theoretical ab initio and density functional theory studies. <i>Journal of Chemical Physics</i> , 2003, 119, 4313-4319.	3.0	40
4	1,8-Bis(dimethylamino)naphthalene-2,7-diolate: A Simple Arylamine Nitrogen Base with Hydride-Ion-Comparable Proton Affinity. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1453-1456.	13.8	39
5	2- $\hat{\pm}$ -Hydroxyalkyl- and 2,7-Di( $\hat{\pm}$ -hydroxyalkyl)-1,8-bis(dimethylamino)naphthalenes: $\hat{\Delta}$ Stabilization of Nonconventional In/Out Conformers of $\pi$ -Proton Sponges via N $\hat{\Delta}$ - $\hat{A}$ - $\hat{H}$ $\hat{\nu}$ O Intramolecular Hydrogen Bonding. A Remarkable Kind of Tandem Nitrogen Inversion. <i>Journal of Organic Chemistry</i> , 2007, 72, 3006-3019.	3.2	35
6	Heterocyclic superbases: retrospective and current trends. <i>Chemistry of Heterocyclic Compounds</i> , 2012, 48, 200-219.	1.2	34
7	Novel Polyfunctional Tautomeric Systems Containing Salicylideneamino and Proton Sponge Moieties. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 782-790.	2.4	32
8	10-Dimethylamino Derivatives of Benzo[ <i>h</i> ]quinoline and Benzo[ <i>g</i> ]quinazolines: Fluorescent Proton Sponge Analogues with Opposed <i>peri</i> -NMe <sub>2</sub> / $\hat{\Delta}$ -N $\hat{\Delta}$ -Groups. How to Distinguish between Proton Sponges and Pseudo-Proton Sponges. <i>Journal of Organic Chemistry</i> , 2016, 81, 5574-5587.	3.2	27
9	Structure and IR spectroscopic behaviour of 2,7-dichloro-1,8-bis(dimethylamino)naphthalene and its protonated form. <i>Journal of Physical Organic Chemistry</i> , 1999, 12, 895-900.	1.9	25
10	Naphthalene proton sponges as hydride donors: diverse appearances of the tert-amino-effect. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1887.	2.8	25
11	H-Bond-Assisted Intramolecular Nucleophilic Displacement of the 1-NMe <sub>2</sub> Group in 1,8-Bis(dimethylamino)naphthalenes as a Route to Multinuclear Heterocyclic Compounds and Strained Naphthalene Derivatives. <i>Journal of Organic Chemistry</i> , 2011, 76, 7157-7166.	3.2	24
12	Proton Sponges and Hydrogen Transfer Phenomena. <i>Mendeleev Communications</i> , 2012, 22, 117-124.	1.6	24
13	Proton Sponges. , 0, , 931-1026.		23
14	Synthesis and Properties of 5,6-Bis(dimethylamino)acenaphthylene: $\hat{\Delta}$ The First Proton Sponge with Easily-Modified Basicity. <i>Journal of Organic Chemistry</i> , 2000, 65, 7707-7709.	3.2	22
15	2,7-Disubstituted proton sponges as borderline systems for investigating barrier-free intramolecular hydrogen bonds. Protonated 2,7-bis(trimethylsilyl)- and 2,7-di(hydroxymethyl)-1,8-bis(dimethylamino)naphthalenes. <i>Tetrahedron</i> , 2008, 64, 6209-6214.	1.9	22
16	2- $\hat{\pm}$ -Hydroxybenzhydryl- and 2,7-di( $\hat{\pm}$ -hydroxybenzhydryl)-1,8-bis(dimethylamino)naphthalenes: the first examples of stabilization of in/out proton sponge conformers by intramolecular hydrogen bonding. The most flattened amino group ever participating in IHB. <i>Tetrahedron Letters</i> , 2005, 46, 3973-3976.	1.4	20
17	Primary <sup>1</sup> H/ <sup>2</sup> H isotope effect in the NMR chemical shift of HClO <sub>4</sub> salts of 1,8-bis(dimethylamino)naphthalene derivatives. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 643-648.	1.9	20
18	A1H,13C and15N NMR investigation of three substituted DMAN derivatives and their monoprottonated salts. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 35-38.	1.9	19

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19	Molecular structure of 5,6-bis(dimethylamino)acenaphthene, 5,6-bis(dimethylamino)acenaphthylene, and their monohydrobromides: a comparison with some naphthalene proton sponges. <i>Perkin Transactions II RSC</i> , 2002, , 318-322.	1.1	17
20	Synthesis and some properties of alkynyl derivatives of 1,3-dialkylperimidones. An example of the 1,2-palladium migration in the Sonogashira reaction. <i>Tetrahedron</i> , 2016, 72, 1547-1557.	1.9	16
21	4,5-Bis(dimethylamino)quinolines: Proton Sponge versus Azine Behavior. <i>Organic Letters</i> , 2012, 14, 4134-4137.	4.6	15
22	1,8-Bis(dimethylamino)-2,8-dinaphthylmethanols: Double In/Out Proton Sponges with Low-Barrier Hydrogen-Bond Switching. <i>Journal of Organic Chemistry</i> , 2010, 75, 4706-4715.	3.2	14
23	Out-Basicity of 1,8-bis(dimethylamino)naphthalene: the experimental and theoretical challenge. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2360.	2.8	14
24	Combination of $\sigma$ -Buttressing and $\sigma$ -Clothespin Effects for Reaching the Shortest NHN Hydrogen Bond in Proton Sponge Cations. <i>Journal of Organic Chemistry</i> , 2021, 86, 3637-3647.	3.2	14
25	1,8-Bis(dialkylamino)-4,5-dinitronaphthalenes and 4,5-Bis(dimethylamino)naphthalene-1,8-dicarbaldehyde as $\sigma$ -Push/Pull-Proton Sponges: When and Why Formyl Groups Become Stronger $\pi$ -Electron Acceptors than Nitro Groups. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1241-1248.	2.4	13
26	Ring lithiation of 1,8-bis(dimethylamino)naphthalene: another side of the $\sigma$ -proton sponge coin <sup>TM</sup> . <i>Dalton Transactions</i> , 2015, 44, 17756-17766.	3.3	13
27	Multiple Transformations of 2-Alkynyl-1,8-bis(dimethylamino)naphthalenes into Benzo[ <i>g</i> ]indoles. Pd/Cu-Dependent Switching of the Electrophilic and Nucleophilic Sites in Acetylenic Bond and a Puzzle of Porcelain Catalysis. <i>Journal of Organic Chemistry</i> , 2015, 80, 872-881.	3.2	13
28	tert-Amino effect in naphthalene proton sponges: a novel approach to benzo[ <i>h</i> ]quinoline and quino[7,8:7 <sup>TM</sup> ,8 <sup>TM</sup> ]quinoline derivatives. <i>Mendeleev Communications</i> , 2010, 20, 36-38.	1.6	12
29	ortho-Ketimines of 1,8-Bis(dimethylamino)naphthalene: Synthesis, Hydrolytic Stability and Transfer of Basicity from Proton Sponge Moiety to the Imino Function. <i>Synthesis</i> , 2014, 46, 3273-3282.	2.3	12
30	Rearrangement of carbocations derived from 1,8-bis(dimethylamino)naphthyl-2-methanols into 4-R-1,1,3-trimethyl-2,3-dihydroperimidinium salts. <i>Mendeleev Communications</i> , 2006, 16, 313-316.	1.6	11
31	$\sigma$ -Proton sponge <sup>TM</sup> amides: unusual chemistry and conversion into superbasic 6,7-bis(dimethylamino)perimidines. <i>Tetrahedron</i> , 2013, 69, 1919-1929.	1.9	11
32	Synthesis of 2-Aryl- and 2,7-Diaryl-1,8-bis(dimethylamino)naphthalenes. Overview of the $\sigma$ -Buttressing effect in 2,7-Disubstituted Proton Sponges. <i>ChemistrySelect</i> , 2020, 5, 9932-9945.	1.5	11
33	Synthesis of 2-Alkynyl-, 4-Alkynyl-, and 2,7-Dialkynyl-1,8-bis(dimethylamino)naphthalenes and the Unexpected Influence of ortho-Alkynyl Groups on Their Basicity. <i>Synlett</i> , 2013, 24, 2515-2518.	1.8	10
34	The first proton sponge-based amino acids: synthesis, acid-base properties and some reactivity. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8524-8532.	2.8	10
35	Simple and hydrolytically stable proton sponge based organic cation displaying hydrogen bonding and a number of related phenomena. <i>Tetrahedron</i> , 2013, 69, 2107-2112.	1.9	9
36	5,6-Bis(dimethylamino)acenaphthylene as an activated alkene and $\sigma$ -proton sponge <sup>TM</sup> in halogenation reactions. <i>Tetrahedron</i> , 2006, 62, 12288-12296.	1.9	8

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37	Modeling Biologically Important NH <sub>2</sub> -H Interactions Using <i>peri</i> -Disubstituted Naphthalenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 12468-12481.	3.2	8
38	Hexa- and heptasubstitution in the interaction of octafluoronaphthalene with lithium dialkylamides: a new approach to the naphthalene $\pi$ -proton sponges <sup>TM</sup> . <i>Mendeleev Communications</i> , 2004, 14, 14-15.	1.6	7
39	Base-promoted transformation of 2-C(O)R-1,8-bis(dimethylamino)naphthalenes into benzo[g]indole derivatives. <i>Mendeleev Communications</i> , 2015, 25, 182-184.	1.6	7
40	Arylene-Ethynylene Oligomers Based on the Proton Sponge. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7128-7141.	2.4	7
41	Neutral Pyrrole Nitrogen Atom as a $\pi$ - and Mixed $n, \pi$ -Donor in Hydrogen Bonding. <i>Journal of Organic Chemistry</i> , 2019, 84, 726-737.	3.2	7
42	Preparation of Dialkylamino-Substituted Benzenes and Naphthalenes by Nucleophilic Replacement of Fluorine in the Corresponding Perfluoroaromatic Compounds. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006, 61, 615-625.	0.7	5
43	Oxidation of 1-amino-4,5-bis(dimethylamino)naphthalene as a route to the double $\pi$ -proton sponges <sup>TM</sup> based on dibenzo[a,h]phenazine and 1,1'-azonaphthalene. <i>Russian Chemical Bulletin</i> , 2011, 60, 2030-2039.	1.5	5
44	Extreme Magnetic Separation of Geminal Protons in Protonated N,N,N'-Trimethyl-1,8-diaminonaphthalene. A Puzzle of the Fourth Methyl Group. <i>Organic Letters</i> , 2013, 15, 2194-2197.	4.6	5
45	Proton-induced fluorescence in modified quino[7,8- <i>h</i> ]quinolines: dual sensing for protons and $\pi$ -donors. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8221-8233.	2.8	5
46	Nucleophilic Substitution of Hydrogen Atom in Initially Inactivated Pyrrole Ring. <i>Organic Letters</i> , 2019, 21, 1953-1957.	4.6	5
47	To what extent can a conjugation between two pairs of <i>peri</i> -nitro and <i>peri</i> -amino groups be realized through the naphthalene core?. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 492-502.	1.9	4
48	Proton Sponge Analogue of the Tröger's Base: A Compound with Remarkable Enantiomeric Stability. <i>ChemistrySelect</i> , 2017, 2, 9882-9887.	1.5	3
49	Proton-Sponge-Like Superbases Built on the Benzo[ <i>h</i> ]quinoline Platform. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3298-3305.	2.4	3
50	Electrophilic fluorination of N,N-dimethylaniline, N,N-dimethylnaphthalen-1-amine and 1,8-bis(dimethylamino)naphthalene with $\text{N}=\text{F}$ reagents. <i>Journal of Fluorine Chemistry</i> , 2013, 154, 67-72.	1.7	2
51	One-scale basicities of diaminobenzenes and diaminonaphthalenes: from aniline to proton sponge. <i>Journal of Physical Organic Chemistry</i> , 2017, 30, e3609.	1.9	2
52	Positively and negatively charged NHN hydrogen bonds in one molecule: synergistic strengthening effect, superbasicity and acetonitrile capture. <i>New Journal of Chemistry</i> , 2019, 43, 7557-7561.	2.8	2
53	N-Methylated 1,8-Diaminonaphthalenes as Bifunctional Nucleophiles in Reactions with $\pm, \pi$ -Dihalogenoalkanes: A Facile Route to Heterocyclic and Double Proton Sponges. <i>Synthesis</i> , 2020, 52, 3427-3438.	2.3	2
54	Ethynylene-Bridged <i>para</i> - <i>ortho</i> - <i>para</i> -Linked Proton Sponge Trimer: Mono- and Tris(tetrafluoroborate) Protic Salts, Crystal Structures, Color Effects, and $\text{HCONMe}_2/\text{BF}_4$ Hydrogen-Bond Discrimination. <i>Crystal Growth and Design</i> , 2021, 21, 7247-7256.	3.0	2

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55	A new family of 1,4-diaryl-1,3-butadiynes based on the "proton sponge" synthesis, electronic and chemical properties. <i>New Journal of Chemistry</i> , 2022, 46, 1829-1838.	2.8	2
56	1,8-Bis(bromomethyl)naphthalene in the synthesis of 1,5-diazacyclodecane and benz[de]isoquinoline proton sponges. <i>Arkivoc</i> , 2014, 2014, 333-345.	0.5	1