Valery A Ozeryanskii

List of Publications by Year
in descending order

56	869	471509 17	552781 26
papers	citations	h-index	g-index

65	65	65	528
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new family of 1,4-diaryl-1,3-butadiynes based on the â€œproton spongeâ€• synthesis, electronic and chemical properties. New Journal of Chemistry, 2022, 46, 1829-1838.	2.8	2
2	Combination of â€œButtressingâ€•and â€œClothespinâ€•Effects for Reaching the Shortest NHN Hydrogen Bond in Proton Sponge Cations. Journal of Organic Chemistry, 2021, 86, 3637-3647.	3.2	14
3	Ethynylene-Bridged para-ortho-para-Linked Proton Sponge Trimer: Mono- and Tris(tetrafluoroborate) Protic Salts, Crystal Structures, Color Effects, and HCONMe₂/BF₄^{â€“} Hydrogen-Bond Discrimination. Crystal Growth and Design, 2021, 21, 7247-7256.	3.0	2
4	N-Methylated 1,8-Diaminonaphthalenes as Bifunctional NucleoÂphiles in Reactions with Î±,Ï‰-Dihalogenoalkanes: A Facile Route to Heterocyclic and Double Proton Sponges. Synthesis, 2020, 52, 3427-3438.	2.3	2
5	Synthesis of 2â€Arylâ€•and 2,7â€Diarylâ€1,8â€bis(dimethylamino)naphthalenes. Overview of the â€œButtressing effectâ€•in 2,7â€Disubstituted Proton Sponges. ChemistrySelect, 2020, 5, 9932-9945.	1.5	11
6	Modeling Biologically Important NHÂ·Â·Â·Ï€ Interactions Using peri-Disubstituted Naphthalenes. Journal of Organic Chemistry, 2020, 85, 12468-12481.	3.2	8
7	Aryleneâ€Ethynylene Oligomers Based on the Proton Sponge. European Journal of Organic Chemistry, 2019, 2019, 7128-7141.	2.4	7
8	Proton-induced fluorescence in modified quino[7,8-h]quinolines: dual sensing for protons and Ï€-donors. Organic and Biomolecular Chemistry, 2019, 17, 8221-8233.	2.8	5
9	Positively and negatively charged NHN hydrogen bonds in one molecule: synergistic strengthening effect, superbasicity and acetonitrile capture. New Journal of Chemistry, 2019, 43, 7557-7561.	2.8	2
10	Nucleophilic Substitution of Hydrogen Atom in Initially Inactivated Pyrrole Ring. Organic Letters, 2019, 21, 1953-1957.	4.6	5
11	Neutral Pyrrole Nitrogen Atom as a Ï€- and Mixed n,Ï€-Donor in Hydrogen Bonding. Journal of Organic Chemistry, 2019, 84, 726-737.	3.2	7
12	Protonâ€Spongeâ€Like Superbases Built on the Benzo[h]quinoline Platform. European Journal of Organic Chemistry, 2018, 2018, 3298-3305.	2.4	3
13	Proton Sponge Analogue of the TrÃ¶ger's Base: A Compound with Remarkable Enantiomeric Stability. ChemistrySelect, 2017, 2, 9882-9887.	1.5	3
14	Oneâ€scale basicities of diaminobenzenes and diaminonaphthalenes: from aniline to proton sponge. Journal of Physical Organic Chemistry, 2017, 30, e3609.	1.9	2
15	10-Dimethylamino Derivatives of Benzo[h]quinoline and Benzo[h]quinazolines: Fluorescent Proton Sponge Analogues with Opposed peri-NMe₂/â€“Nâ••Groups. How to Distinguish between Proton Sponges and Pseudo-Proton Sponges. Journal of Organic Chemistry, 2016, 81, 5574-5587.	3.2	27
16	Synthesis and some properties of alkynyl derivatives of 1,3-dialkylperimidones. An example of the 1,2-palladium migrationÂin the Sonogashira reaction. Tetrahedron, 2016, 72, 1547-1557.	1.9	16
17	Base-promoted transformation of 2-C(O)R-1,8-bis(dimethylamino)naphthalenes into benzo[g]indole derivatives. Mendeleev Communications, 2015, 25, 182-184.	1.6	7
18	The first proton sponge-based amino acids: synthesis, acidâ€“base properties and some reactivity. Organic and Biomolecular Chemistry, 2015, 13, 8524-8532.	2.8	10

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19	Ring lithiation of 1,8-bis(dimethylamino)naphthalene: another side of the â€˜proton sponge coinâ€™. Dalton Transactions, 2015, 44, 17756-17766.	3.3	13
20	Multiple Transformations of 2-Alkynyl-1,8-bis(dimethylamino)naphthalenes into Benzo[g]indoles. Pd/Cu-Dependent Switching of the Electrophilic and Nucleophilic Sites in Acetylenic Bond and a Puzzle of Porcelain Catalysis. Journal of Organic Chemistry, 2015, 80, 872-881.	3.2	13
21	ortho-Ketimines of 1,8-Bis(dimethylamino)naphthalene: Synthesis, Hydrolytic Stability and Transfer of Basicity from Proton Sponge Moiety to the Imino Function. Synthesis, 2014, 46, 3273-3282.	2.3	12
22	Out-Basicity of 1,8-bis(dimethylamino)naphthalene: the experimental and theoretical challenge. Organic and Biomolecular Chemistry, 2014, 12, 2360.	2.8	14
23	1,8-Bis(bromomethyl)naphthalene in the synthesis of 1,5-diazacyclodecane and benz[de]isoquinoline proton sponges. Arkivoc, 2014, 2014, 333-345.	0.5	1
24	Electrophilic fluorination of N,N-dimethylaniline, N,N-dimethylnaphthalen-1-amine and 1,8-bis(dimethylamino)naphthalene with Nâ€“F reagents. Journal of Fluorine Chemistry, 2013, 154, 67-72.	1.7	2
25	Simple and hydrolytically stable proton sponge based organic cation displaying hydrogen bonding and a number of related phenomena. Tetrahedron, 2013, 69, 2107-2112.	1.9	9
26	â€˜Proton spongeâ€™ amides: unusual chemistry and conversion into superbasic 6,7-bis(dimethylamino)perimidines. Tetrahedron, 2013, 69, 1919-1929.	1.9	11
27	Extreme Magnetic Separation of Geminal Protons in Protonated N,N,Nâ€²-Trimethyl-1,8-diaminonaphthalene. A Puzzle of the Fourth Methyl Group. Organic Letters, 2013, 15, 2194-2197.	4.6	5
28	To what extent can a conjugation between two pairs of periâ€nitro and periâ€amino groups be realized through the naphthalene core?. Journal of Physical Organic Chemistry, 2013, 26, 492-502.	1.9	4
29	Synthesis of 2-Alkynyl-, 4-Alkynyl-, and 2,7-Dialkynyl-1,8-bis(dimethylÂamino)naphthalenes and the Unexpected Influence of ortho-Alkynyl Groups on Their Basicity. Synlett, 2013, 24, 2515-2518.	1.8	10
30	4,5-Bis(dimethylamino)quinolines: Proton Sponge versus Azine Behavior. Organic Letters, 2012, 14, 4134-4137.	4.6	15
31	Proton Sponges and Hydrogen Transfer Phenomena. Mendeleev Communications, 2012, 22, 117-124.	1.6	24
32	Heterocyclic superbases: retrospective and current trends. Chemistry of Heterocyclic Compounds, 2012, 48, 200-219.	1.2	34
33	Naphthalene proton sponges as hydride donors: diverse appearances of the tert-amino-effect. Organic and Biomolecular Chemistry, 2011, 9, 1887.	2.8	25
34	H-Bond-Assisted Intramolecular Nucleophilic Displacement of the 1-NMe2Group in 1,8-Bis(dimethylamino)naphthalenes as a Route to Multinuclear Heterocyclic Compounds and Strained Naphthalene Derivatives. Journal of Organic Chemistry, 2011, 76, 7157-7166.	3.2	24
35	Oxidation of 1-amino-4,5-bis(dimethylamino)naphthalene as a route to the double â€œproton spongesâ€• based on dibenzo[a,h]phenazine and 1,1â€²-azonaphthalene. Russian Chemical Bulletin, 2011, 60, 2030-2039.	1.5	5
36	tert-Amino effect in naphthalene proton sponges: a novel approach to benzo[h]quinoline and quino[7,8:7â€™,8â€™]quinoline derivatives. Mendeleev Communications, 2010, 20, 36-38.	1.6	12

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37	1,8,1â€²,8â€²-Tetrakis(dimethylamino)-2,2â€²-dinaphthylmethanols: Double In/Out Proton Sponges with Low-Barrier Hydrogen-Bond Switching. Journal of Organic Chemistry, 2010, 75, 4706-4715.	3.2	14
38	1,8â€Bis(dialkylamino)â€4,5â€dinitronaphthalenes and 4,5â€Bis(dimethylamino)naphthaleneâ€1,8â€dicarbaldehyde as â€œPushâ€“Pullâ€•Proton Sponges: When and Why Formyl Groups Become Stronger Ï€â€Electron Acceptors than Nitro Groups. European Journal of Organic Chemistry, 2009, 2009, 1241-1248.	2.4	13
39	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. Tetrahedron, 2008, 64, 6209-6214.	1.9	22
40	2-Î±-Hydroxyalkyl- and 2,7-Di(Î±-hydroxyalkyl)-1,8-bis(dimethylamino)naphthalenes:Â Stabilization of Nonconventional In/Out Conformers of â€œProton Spongesâ€•via NÂ·Â·Â·Hâ^'O Intramolecular Hydrogen Bonding. A Remarkable Kind of Tandem Nitrogen Inversion. Journal of Organic Chemistry, 2007, 72, 3006-3019.	3.2	35
41	Primary ¹H/²H isotope effect in the NMR chemical shift of HClO₄ salts of 1,8â€bis(dimethylamino)naphthalene derivatives. Journal of Physical Organic Chemistry, 2007, 20, 643-648.	1.9	20
42	5,6-Bis(dimethylamino)acenaphthylene as an activated alkene andÂâ€˜proton spongeâ€™ in halogenation reactions. Tetrahedron, 2006, 62, 12288-12296.	1.9	8
43	Rearrangement of carbocations derived from 1,8-bis(dimethylamino)naphthyl-2-methanols into 4-R-1,1,3-trimethyl-2,3-dihydroperimidinium salts. Mendeleev Communications, 2006, 16, 313-316.	1.6	11
44	1,8-Bis(dimethylamino)naphthalene-2,7-diolate: A Simple Arylamine Nitrogen Base with Hydride-Ion-Comparable Proton Affinity. Angewandte Chemie - International Edition, 2006, 45, 1453-1456.	13.8	39
45	Novel Polyfunctional Tautomeric Systems Containing Salicylideneamino and Proton Sponge Moieties. European Journal of Organic Chemistry, 2006, 2006, 782-790.	2.4	32
46	Preparation of Dialkylamino-Substituted Benzenes and Naphthalenes by Nucleophilic Replacement of Fluorine in the Corresponding Perfluoroaromatic Compounds. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2006, 61, 615-625.	0.7	5
47	2-Î±-Hydroxybenzhydryl- and 2,7-di(Î±-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. Tetrahedron Letters, 2005, 46, 3973-3976.	1.4	20
48	[NHN]+ Hydrogen Bonding in Protonated 1,8-Bis(dimethylamino)-2,7-dimethoxynaphthalene. X-ray Diffraction, Infrared, and Theoretical ab Initio and DFT Studies. Journal of Physical Chemistry A, 2005, 109, 1637-1642.	2.5	47
49	Hexa- and heptasubstitution in the interaction of octafluoronaphthalene with lithium dialkylamides: a new approach to the naphthalene â€˜proton spongesâ€™. Mendeleev Communications, 2004, 14, 14-15.	1.6	7
50	Organometallic Synthesis, Molecular Structure, and Coloration of 2,7-Disubstituted 1,8-Bis(dimethylamino)naphthalenes. How Significant Is the Influence of â€œButtressing Effectâ€•on Their Basicity?. Journal of Organic Chemistry, 2003, 68, 10109-10122.	3.2	80
51	Low barrier hydrogen bond in protonated proton sponge. X-ray diffraction, infrared, and theoretical ab initio and density functional theory studies. Journal of Chemical Physics, 2003, 119, 4313-4319.	3.0	40
52	Molecular structure of 5,6-bis(dimethylamino)acenaphthene, 5,6-bis(dimethylamino)acenaphthylene, and their monohydrobromides: a comparison with some naphthalene proton sponges. Perkin Transactions II RSC, 2002, , 318-322.	1.1	17
53	A1H,13C and15N NMR investigation of three substituted DMAN derivatives and their monoprotonated salts. Journal of Physical Organic Chemistry, 2000, 13, 35-38.	1.9	19
54	Synthesis and Properties of 5,6-Bis(dimethylamino)acenaphthylene:Â The First Proton Sponge with Easily-Modified Basicity. Journal of Organic Chemistry, 2000, 65, 7707-7709.	3.2	22

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55	Structure and IR spectroscopic behaviour of 2,7-dichloro-1,8-bis(dimethylamino)naphthalene and its protonated form. Journal of Physical Organic Chemistry, 1999, 12, 895-900.	1.9	25
56	Proton Sponges. , 0, , 931-1026.		23