

# Vladimir B Orel

## List of Publications by Year in descending order

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17  
papers

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citations

1307594

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleophilic Addition of Ketones To Acetylenes and Allenes: A Quantum-Chemical Insight. <i>Journal of Organic Chemistry</i> , 2017, 82, 12467-12476.	3.2	37
2	Quantum-chemical models of KOH(KOBu <sup>t</sup> )/DMSO superbasic systems and mechanisms of base-promoted acetylene reactions. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26158.	2.0	27
3	Exploring acetylene chemistry in superbasic media: A theoretical study of the effect of water on vinylation and ethynylation reactions with acetylene in KOH/DMSO and NaOH/DMSO systems. <i>Journal of Physical Organic Chemistry</i> , 2017, 30, e3669.	1.9	22
4	Alkyland arylketone reactions with phenylacetylene promoted by KOH-DMSO superbase: a quantum chemical study. <i>Russian Chemical Bulletin</i> , 2015, 64, 518-524.	1.5	11
5	A theoretical study of acetone reactions with acetylene and phenylacetylene in the KOH/DMSO superbasic system. <i>Doklady Chemistry</i> , 2014, 457, 126-128.	0.9	9
6	Self-Assembly of <i>N</i> -Phenyl-2,5-dimethylpyrrole from Acetylene and Aniline in KOH/DMSO and KOBu <sup>t</sup> /DMSO Superbase Systems: A Quantum-Chemical Insight. <i>Journal of Organic Chemistry</i> , 2020, 85, 10617-10627.	3.2	9
7	Two classes of heterocycles "6,8-dioxabicyclo[3.2.1]octanes and cyclopentenols from the same reagents: A quantum-chemical comparison of mechanism. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25689.	2.0	8
8	Synthesis of divinyl sulfide via addition of the hydrogen sulfide anion to acetylene in an alkaline metal hydroxide/DMSO superbasic system: A quantum-chemical insight. <i>Tetrahedron Letters</i> , 2017, 58, 92-96.	1.4	7
9	Transition-Metal-Free C-Vinylation of Ketones with Acetylenes: A Quantum-Chemical Rationalization of Similarities and Differences in Catalysis by Superbases MOH/DMSO and <i>t</i> -BuOM/DMSO (M = Na, K). <i>Journal of Organic Chemistry</i> , 2018, 83, 3719-3726.	3.2	7
10	Aldol Condensation Versus Superbase-Catalyzed Addition of Ketones to Acetylenes: A Quantum-Chemical and Experimental Study. <i>Journal of Organic Chemistry</i> , 2021, 86, 7439-7449.	3.2	6
11	Interaction of methanol, methanethiol, and acetoxime with potassium and rubidium hydroxides in dimethyl sulfoxide. <i>Journal of Structural Chemistry</i> , 2011, 52, 659-663.	1.0	5
12	Quantum chemical comparison of ethynylation and C-vinylation routes in superbase catalyzed reaction of acetylenes with imines. <i>Mendeleev Communications</i> , 2019, 29, 622-624.	1.6	5
13	Head-to-Tail Dimerization of 4-Fluoroacetophenone in the KOH/DMSO Superbase Suspension and Related <i>S</i> <sub>N</sub> Ar Reaction. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3480-3485.	2.4	3
14	Quantum chemical modeling of superbase-catalyzed reactions of acetophenone and methyl mesityl ketone with acetylene. <i>Russian Chemical Bulletin</i> , 2017, 66, 2227-2233.	1.5	2
15	Quantum chemical study of the stereoselectivity of nucleophilic addition of 2-methylcyclohexanone to phenylacetylene. <i>Doklady Chemistry</i> , 2015, 461, 100-103.	0.9	1
16	Thermodynamics and isomerism of products and intermediates of a one-pot superbase-promoted assembly of tetracyclic frontaline derivatives: A quantum chemical study. <i>Journal of Molecular Structure</i> , 2020, 1215, 128290.	3.6	1
17	The mechanism of one-pot assembly of tetracyclic derivatives of frontaline from cycloaliphatic ketones and acetylene in KOH/DMSO medium: A quantum-chemical study. <i>Tetrahedron</i> , 2021, 89, 132164.	1.9	1