

# Anatoliy A Nikolayev

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3225354/publications.pdf>

Version: 2024-02-01

6  
papers

41  
citations

1684188

5  
h-index

1872680

6  
g-index

6  
all docs

6  
docs citations

6  
times ranked

36  
citing authors

| # | ARTICLE  | IF  | CITATIONS |
|---|--|-----|-----------|
| 1 | A chemical dynamics study of the reaction of the methylidyne radical ( $\text{CH}^2$ ) with dimethylacetylene ( $\text{CH}_3\text{CCCH}_3$ , $\text{X}^1\text{A}_1$ ). Physical Chemistry Chemical Physics, 2021, 24, 578-593.   | 2.8 | 12        |
| 2 | Gas-Phase Synthesis of $\text{C}_3\text{H}_2$ Vinylcyclopropene via the Crossed Beam Reaction of the Methylidyne Radical ( $\text{CH}^2$ ) with 1,3-Butadiene ( $\text{CH}_2\text{CHCHCH}_2$ ; $\text{X}^1\text{A}_g$ ). ChemPhysChem, 2020, 21, 1295-1309.  | 2.1 | 7         |
| 3 | On the Synthesis of the Astronomically Elusive 1-Ethynyl-3-Silacyclopropenylidene ( $\text{c-SiC}_4\text{H}_2$ ) Molecule in Circumstellar Envelopes of Carbon-rich Asymptotic Giant Branch Stars and Its Potential Role in the Formation of the Silicon Tetracarbide Chain ( $\text{SiC}_4$ ). Astrophysical Journal Letters, 2021, 908, L40. | 8.3 | 7         |
| 4 | The Reaction of $\text{C}_2$ Benzyne with Vinylacetylene: An Unexplored Way to Produce Naphthalene. ChemPhysChem, 2022, 23, .  | 2.1 | 7         |
| 5 | Gas-Phase Formation of $\text{C}_5\text{H}_6$ Isomers via the Crossed Molecular Beam Reaction of the Methylidyne Radical ( $\text{CH}^2$ ) with 1,2-Butadiene ( $\text{CH}_3\text{CHCCH}_2$ ; $\text{X}^1\text{A}^2$ ). Journal of Physical Chemistry A, 2021, 125, 126-138.   | 2.5 | 6         |
| 6 | Theoretical Study of the Reaction of the Methylidyne Radical ( $\text{CH}^2$ ) with 1-Butyne ( $\text{CH}_3\text{CH}_2\text{CCH}$ ; $\text{X}^1\text{A}^2$ ). Journal of Physical Chemistry A, 2021, 125, 9536-9547.   | 2.5 | 2         |