

# Mean Lifetime of the Fluorescence of Acetone and Biace

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of Temperature on the Lifetime of Fluorescence of Solid Acetone. Journal of Chemical Physics, 1950, 18, 432-434.	3.0	8
2	The Fluorescence of Acetone Vapor. Journal of Chemical Physics, 1951, 19, 227-231.	3.0	25
3	The Mechanism of Acetone Vapor Fluorescence. Journal of Chemical Physics, 1953, 21, 115-118.	3.0	17
4	The Fluorescence of Biacetyl Vapor. Journal of Chemical Physics, 1953, 21, 674-677.	3.0	19
5	The Fluorescence of Biacetyl Vapor at 4358A. Journal of Chemical Physics, 1954, 22, 1207-1210.	3.0	24
6	Quenching of Biacetyl Fluorescence in Solution. Journal of Chemical Physics, 1955, 23, 2197-2197.	3.0	18
7	Luminescence and internal conversion in biacetyl solutions. Spectrochimica Acta, 1960, 16, 128-134.	1.3	12
8	Photooxidation of Biacetyl. Journal of Chemical Physics, 1960, 32, 1587-1588.	3.0	21
9	Mean Lifetime of the Lowest Excited Singlet State of Benzene. Journal of Chemical Physics, 1961, 35, 1389-1391.	3.0	33
10	Photochemical Primary Process in Biacetyl Vapor at 4358 A. Journal of Chemical Physics, 1962, 36, 880-886.	3.0	36
11	Radiative Lifetime of Triplet Biacetyl. Journal of Chemical Physics, 1963, 39, 899-901.	3.0	28
12	Photochemical Studies in Flash Photolysis. III. Photolysis of Acetone in Different Wavelength Regions. Journal of Chemical Physics, 1963, 39, 996-1003.	3.0	3
13	The mechanism of the gas phase photolysis of acetone. Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences, 1966, 290, 563-582.	1.4	46
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18	Luminescence method for the determination of iridium. Analytical Chemistry, 1969, 41, 39-42.	6.5	12

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20	Chapter 3 The Decomposition of Aldehydes and Ketones. Comprehensive Chemical Kinetics, 1972, 5, 234-380.	2.3	3
21	Emission studies of the mechanism of gaseous biacetyl photolysis at 3450, 3650, 3880, and 4358 Å and 28°C. International Journal of Chemical Kinetics, 1972, 4, 207-227.	1.6	13
22	Small molecule behavior and the 3Bg state of biacetyl. Journal of Chemical Physics, 1973, 59, 2061-2067.	3.0	29
23	Study of acetaldehyde photolysis with the spectrophone technique. Chemical Physics Letters, 1974, 27, 17-22.	2.6	5
24	Radiationless decay from triplet state biacetyl molecules with selected vibrational energies. Journal of Chemical Physics, 1974, 61, 2883-2889.	3.0	52
25	Phosphorescence quenching of biacetyl vapor by alcohols and iodides. Journal of Photochemistry and Photobiology, 1976, 6, 431-438.	0.6	8
26	Laser-induced time-resolved phosphorescence of 2,4-pentadione (a tautomeric system). Journal of Photochemistry and Photobiology, 1978, 8, 273-275.	0.6	5
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31	Energy transfer between biacetyl and iodine in the gas phase. Journal of Photochemistry and Photobiology, 1981, 15, 281-294.	0.6	1
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36	Photon-Driven Chemistry of Biacetyl on Ag(111). Journal of Physical Chemistry B, 1997, 101, 4803-4809.	2.6	6

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39	Photochemistry of Simple Aldehydes and Ketones in the Gas Phase. Advances in Photochemistry, 2007, , 1-96.	0.4	25
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44	Turbulent mixing measurements in the Richtmyer-Meshkov instability. Physics of Fluids, 2012, 24, .	4.0	61
45	Laser induced phosphorescence imaging for the investigation of evaporating liquid flows. Experiments in Fluids, 2013, 54, 1.	2.4	46
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48	Molecular tagging velocimetry for confined rarefied gas flows: Phosphorescence emission measurements at low pressure. Experimental Thermal and Fluid Science, 2018, 99, 510-524.	2.7	8
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50	Reactions of the Triplet State of Ketones with Molecular Oxygen. , 1982, , 165-171.		2
52	The Effect of Mercury on the Triplet State of Hexafluoroacetone [I]. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1968, 72, 296-301.	0.9	2