

# Andrey A Pershin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5568868/publications.pdf>

Version: 2024-02-01

16  
papers

48  
citations

1937685

4  
h-index

1720034

7  
g-index

16  
all docs

16  
docs citations

16  
times ranked

48  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics of oxygen species in an electrically driven singlet oxygen generator. Chemical Physics, 2015, 463, 65-69.	1.9	13
2	Luminescence of the $(O_2(a^1g))_2$ collisional complex in the temperature range of 90-315 K: Experiment and theory. Journal of Chemical Physics, 2015, 143, 244315.	3.0	7
3	Collisional relaxation of $O_2(a^1\pi, \dots, \pi=1, 2, 3)$ by $CO_2$ . Chemical Physics Letters, 2018, 691, 456-461.	2.6	7
4	Computational investigation of energy transfer and line broadening for $Ar^* + He$ collisions. Journal of Chemical Physics, 2019, 151, 224306.	3.0	6
5	Incomplete ozone recovery effect in the presence of active oxygen species. Bulletin of the Lebedev Physics Institute, 2016, 43, 20-25.	0.6	4
6	Ozone destruction due to the recombination of oxygen atoms. Journal of Chemical Physics, 2021, 155, 164307.	3.0	4
7	Rate constants for collision-induced emission of $O_2(a^1g)$ with He, Ne, Ar, Kr, N <sub>2</sub> , CO <sub>2</sub> and SF <sub>6</sub> as collisional partners. Physical Chemistry Chemical Physics, 2018, 20, 29677-29683.	2.8	3
8	Mechanism of singlet oxygen deactivation in an electric discharge oxygen $\pi$ iodine laser. Quantum Electronics, 2014, 44, 1083-1084.	1.0	2
9	Molecular singlet delta oxygen quenching kinetics in the EOIL system. Proceedings of SPIE, 2015, , .	0.8	1
10	$O_2(a^1\pi)$ vibrational kinetics in oxygen-iodine laser. , 2018, , .		1
11	Modeling of photolysis oxygen-iodine laser. , 2016, , .		0
12	Ab initio calculations of transition dipole moments of $(O_2)_2$ complex. , 2016, , .		0
13	Ozone recovery in the presence of CO and N <sub>2</sub> O. MATEC Web of Conferences, 2018, 209, 00016.	0.2	0
14	Potential Energy Curves for Excited States of Ar in He and Transition Rate Constants in ArHe Calculated By Ab Initio Methods. , 2018, , .		0
15	Vibrationally Excited Ozone Relaxation by CO. Bulletin of the Lebedev Physics Institute, 2018, 45, 67-70.	0.6	0
16	Calculation of Potential Energy Curves for $Ar^*\pi$ He Collision Complex. Bulletin of the Lebedev Physics Institute, 2020, 47, 300-302.	0.6	0