

# Diana D Chin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3839746/publications.pdf>

Version: 2024-02-01

10  
papers

397  
citations

1478505

6  
h-index

1372567

10  
g-index

12  
all docs

12  
docs citations

12  
times ranked

382  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flapping wing aerodynamics: from insects to vertebrates. <i>Journal of Experimental Biology</i> , 2016, 219, 920-932.	1.7	226
2	Inspiration for wing design: how forelimb specialization enables active flight in modern vertebrates. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170240.	3.4	55
3	How birds direct impulse to minimize the energetic cost of foraging flight. <i>Science Advances</i> , 2017, 3, e1603041.	10.3	33
4	Birds repurpose the role of drag and lift to take off and land. <i>Nature Communications</i> , 2019, 10, 5354.	12.8	25
5	Birds land reliably on complex surfaces by adapting their foot-surface interactions upon contact. <i>ELife</i> , 2019, 8, .	6.0	24
6	Design and analysis of aerodynamic force platforms for free flight studies. <i>Bioinspiration and Biomimetics</i> , 2017, 12, 064001.	2.9	16
7	How oscillating aerodynamic forces explain the timbre of the hummingbird's hum and other animals in flapping flight. <i>ELife</i> , 2021, 10, .	6.0	6
8	Fluid moment and force measurement based on control surface integration. <i>Experiments in Fluids</i> , 2020, 61, 1.	2.4	5
9	The aerodynamic force platform as an ergometer. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	5
10	Birds both avoid and control collisions by harnessing visually guided force vectoring. <i>Journal of the Royal Society Interface</i> , 2022, 19, .	3.4	2