

# Simon M Walker

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5744538/publications.pdf>

Version: 2024-02-01

10  
papers

998  
citations

1039880

9  
h-index

1372474

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

1177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart wing rotation and trailing-edge vortices enable high frequency mosquito flight. <i>Nature</i> , 2017, 544, 92-95.	13.7	181
2	Deformable wing kinematics in free-flying hoverflies. <i>Journal of the Royal Society Interface</i> , 2010, 7, 131-142.	1.5	171
3	In Vivo Time-Resolved Microtomography Reveals the Mechanics of the Blowfly Flight Motor. <i>PLoS Biology</i> , 2014, 12, e1001823.	2.6	134
4	Morphomechanical Innovation Drives Explosive Seed Dispersal. <i>Cell</i> , 2016, 166, 222-233.	13.5	128
5	Photogrammetric reconstruction of high-resolution surface topographies and deformable wing kinematics of tethered locusts and free-flying hoverflies. <i>Journal of the Royal Society Interface</i> , 2009, 6, 351-366.	1.5	112
6	Deformable wing kinematics in the desert locust: how and why do camber, twist and topography vary through the stroke?. <i>Journal of the Royal Society Interface</i> , 2009, 6, 735-747.	1.5	111
7	Operation of the alula as an indicator of gear change in hoverflies. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1194-1207.	1.5	56
8	Four-dimensional in vivo X-ray microscopy with projection-guided gating. <i>Scientific Reports</i> , 2015, 5, 8727.	1.6	51
9	Aerodynamic imaging by mosquitoes inspires a surface detector for autonomous flying vehicles. <i>Science</i> , 2020, 368, 634-637.	6.0	46
10	High-Speed X-ray Imaging on the Fly. <i>Synchrotron Radiation News</i> , 2013, 26, 4-10.	0.2	8