Adrian Bowyer

List of Publications by Year
in descending order

17 papers	2,147 citations	759233 12 h-index	1125743 13 g-index
19 all docs	19 docs citations	19 times ranked	2080 citing authors

#	Article	IF	Citations
1	Biomimetics: its practice and theory. Journal of the Royal Society Interface, 2006, 3, 471-482.	3.4	790
2	RepRap â€" the replicating rapid prototyper. Robotica, 2011, 29, 177-191.	1.9	544
3	A novel pH- and ionic-strength-sensitive carboxy methyl dextran hydrogel. Biomaterials, 2005, 26, 4677-4683.	11.4	226
4	Jumping robots: a biomimetic solution to locomotion across rough terrain. Bioinspiration and Biomimetics, 2007, 2, S65-S82.	2.9	167
5	Comparison of interval methods for plotting algebraic curves. Computer Aided Geometric Design, 2002, 19, 553-587.	1.2	69
6	RepRap: The Replicating Rapid Prototyper: Maximizing Customizability by Breeding the Means of Production. , 2009, , 568-580.		69
7	Take-off and landing forces and the evolution of controlled gliding in northern flying squirrels Glaucomys sabrinus. Journal of Experimental Biology, 2007, 210, 1413-1423.	1.7	63
8	A smart membrane based on an antigen-responsive hydrogel. Biotechnology and Bioengineering, 2007, 97, 976-984.	3.3	52
9	Putting Biology into TRIZ: A Database of Biological Effects. Creativity and Innovation Management, 2005, 14, 66-72.	3.3	47
10	Advantages of a Biomimetic Stiffness Profile in Pitching Flexible Fin Propulsion. Journal of Bionic Engineering, 2010, 7, 113-119.	5.0	30
11	Better and faster pictures from solid models. Computer-Aided Engineering Journal, 1986, 3, 17.	0.2	29
12	Multidimensional set-theoretic feature recognition. CAD Computer Aided Design, 1995, 27, 731-740.	2.7	15
13	Studies in the robustness of multidimensional scaling: euclidean models and simulation studies. Journal of Statistical Computation and Simulation, 1981, 13, 273-296.	1.2	10
14	A Recursive Taylor Method for Algebraic Curves and Surfaces. , 2005, , 135-154.		1
15	RepRap â€" the replicating rapid prototyper. , 0, .		1
16	CONFIGURATIONS, CONSTRAINTS, AND CSG. International Journal of Shape Modeling, 2000, 06, 131-143.	0.2	0
17	Variable stroke timing of rubber fins' duty cycle improves force. , 2011, , .		0