

# Yoseph Bar-Cohen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7785441/publications.pdf>

Version: 2024-02-01

20  
papers

1,294  
citations

932766

10  
h-index

996533

15  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomimetics“ using nature to inspire human innovation. Bioinspiration and Biomimetics, 2006, 1, P1-P12.	1.5	303
2	Electroactive Polymer Actuators and Sensors. MRS Bulletin, 2008, 33, 173-181.	1.7	271
3	Electroactive Polymers as Artificial Muscles: A Review. Journal of Spacecraft and Rockets, 2002, 39, 822-827.	1.3	161
4	High Temperature, High Power Piezoelectric Composite Transducers. Sensors, 2014, 14, 14526-14552.	2.1	143
5	Biomimetics. , 0, , .		100
6	Electroactive polymer (EAP) actuators“background review. Mechanics of Soft Materials, 2019, 1, 1.	0.4	91
7	Biologically inspired intelligent robots. , 2003, , .		78
8	Current and future developments in artificial muscles using electroactive polymers. Expert Review of Medical Devices, 2005, 2, 731-740.	1.4	29
9	Nature as a Model for Mimicking and Inspiration of New Technologies. International Journal of Aeronautical and Space Sciences, 2012, 13, 1-13.	1.0	29
10	The mechanical and thermal effects of focused ultrasound in a model biological material. Journal of the Acoustical Society of America, 2005, 117, 2347-2355.	0.5	17
11	Biological Senses as Inspiring Model for Biomimetic Sensors. IEEE Sensors Journal, 2011, 11, 3194-3201.	2.4	12
12	Biomimicking Marine Mechanisms and Organizational Principles. Marine Technology Society Journal, 2011, 45, 14-15.	0.3	12
13	Self-Powered Fast Brazing of Ti-6Al-4V Using Ni/Al Reactive Multilayer Films. Applied Sciences (Switzerland), 2018, 8, 985.	1.3	10
14	Bionic. International Journal of Advanced Robotic Systems, 2004, 1, 21.	1.3	9
15	Introduction to Biomimetics. , 2005, , 1-40.		9
16	<b>NDE OF COMPOSITES USING LEAKY LAMB WAVES (LLW)</b>. Nondestructive Testing and Evaluation, 2001, 17, 91-119.	1.1	7
17	EAP Actuators for Biomimetic Technologies with Humanlike Robots as one of the Ultimate Challenges. Advances in Science and Technology, 2008, 61, 1-7.	0.2	5
18	Methods of Testing and Characterization. , 0, , 467-526.		4

#	ARTICLE	IF	CITATIONS
19	Artificial Muscles Using Electroactive Polymers. , 2005, , 267-290.		2
20	Polymer Actuators Contributing to Asteroid Missions.. Kobunshi, 2000, 49, 72-73.	0.0	0