

# Silvain A Michel

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

697  
citations

1040056

9  
h-index

1125743

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

764  
citing authors

#	ARTICLE	IF	CITATIONS
1	Standards for dielectric elastomer transducers. <i>Smart Materials and Structures</i> , 2015, 24, 105025.	3.5	245
2	A comparison between silicone and acrylic elastomers as dielectric materials in electroactive polymer actuators. <i>Polymer International</i> , 2010, 59, 391-399.	3.1	199
3	Self-healing electrodes for dielectric elastomer actuators. <i>Journal of Materials Chemistry</i> , 2012, 22, 20736.	6.7	52
4	Fatigue strength of carbon fibre composites up to the gigacycle regime (gigacycle-composites). <i>International Journal of Fatigue</i> , 2006, 28, 261-270.	5.7	45
5	Piezoresistive sensor fiber composites based on silicone elastomers for the monitoring of the position of a robot arm. <i>Sensors and Actuators A: Physical</i> , 2021, 318, 112433.	4.1	43
6	Sensing frequency design for capacitance feedback of dielectric elastomers. <i>Sensors and Actuators A: Physical</i> , 2015, 232, 195-201.	4.1	25
7	Sensorized Robotic Skin Based on Piezoresistive Sensor Fiber Composites Produced with Injection Molding of Liquid Silicone. <i>Polymers</i> , 2021, 13, 1226.	4.5	19
8	Study on core free rolled actuator based on soft dielectric EAP. , 2008, , .		15
9	Very high cycle fatigue tests of quenched and self-tempered steel reinforcement bars. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 1723-1732.	3.1	14
10	Electroactive polymers as a novel actuator technology for lighter-than-air vehicles. , 2007, , .		10
11	Feasibility studies for a bionic propulsion system of a blimp based on dielectric elastomers. <i>Proceedings of SPIE</i> , 2008, , .	0.8	10
12	Exposure Assessment of a High-energy Tensile Test With Large Carbon Fiber Reinforced Polymer Cables. <i>Journal of Occupational and Environmental Hygiene</i> , 2015, 12, D178-D183.	1.0	6
13	Electromechanical model for static and dynamic activation of elementary dielectric elastomer actuators. , 2006, 6168, 105.		5
14	Enabling large scale capacitive sensing for dielectric elastomers. <i>Proceedings of SPIE</i> , 2014, , .	0.8	4
15	The influence of aluminium, steel and polyurethane shoeing systems and of the unshod hoof on the injury risk of a horse kick. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2017, 30, 339-345.	0.5	4
16	Simulated Kick Injury to the Mandible in Horses: Study of Fracture Configurations and Physical Parameters of the Impact. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2022, 35, 255-262.	0.5	1