

Takuya Sasatani

List of Publications by Year in descending order

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27
papers

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citations

1683934

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27
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuum Robotic Caterpillar with Wirelessly Powered Shape Memory Alloy Actuators. <i>Soft Robotics</i> , 2020, 7, 700-710.	4.6	25
2	Room-Wide Wireless Charging and Load-Modulation Communication via Quasistatic Cavity Resonance. , 2018, 2, 1-23.		24
3	Room-scale magnetoquasistatic wireless power transfer using a cavity-based multimode resonator. <i>Nature Electronics</i> , 2021, 4, 689-697.	13.1	24
4	Multimode Quasistatic Cavity Resonators for Wireless Power Transfer. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 2746-2749.	2.4	23
5	Alvus. , 2019, 3, 1-29.		20
6	A Cuttable Wireless Power Transfer Sheet. , 2018, 2, 1-25.		17
7	Silver Tape. , 2020, 4, 1-17.		13
8	TelemetRing: A Batteryless and Wireless Ring-shaped Keyboard using Passive Inductive Telemetry. , 2020, , .		10
9	Design of Wireless Power Transfer Systems for Personal Mobility Devices in City Spaces. , 2019, , .		8
10	Infants Show Physiological Responses Specific to Parental Hugs. <i>IScience</i> , 2020, 23, 100996.	1.9	8
11	Passive and contactless epidermal pressure sensor printed with silver nano-particle ink. , 2016, , .		7
12	Genetic Algorithm-Based Receiving Resonator Array Design for Wireless Power Transfer. <i>IEEE Access</i> , 2020, 8, 222385-222396.	2.6	7
13	DC-based impedance tuning method using magnetic saturation for wireless power transfer. , 2017, , .		6
14	Dynamic Complex Impedance Tuning Method Using a Multiple-Input DC/DC Converter for Wireless Power Transfer. , 2018, , .		5
15	Toward Wirelessly Cooperated Shape-Changing Computing Particles. <i>IEEE Pervasive Computing</i> , 2021, 20, 9-17.	1.1	4
16	Coil design for wireless power transfer and communication over hinges of smart glasses. , 2020, , .		4
17	Genetic algorithm-based design of receiving resonator arrays for wireless power transfer via magnetic resonant coupling. , 2016, , .		3
18	3-D Wireless Charging for Indoor Electronics Using Multimode Quasistatic Cavity Resonators. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	Surface Routing for Wireless Power Transfer Using 2-D Relay Resonator Arrays. IEEE Access, 2021, 9, 133102-133110.	2.6	3
20	A Reconfigurable 2-D Wireless Charging System. , 2018, , .		2
21	Design of Cuttable Wireless Power Transfer Sheet. , 2018, , .		2
22	Wireless Powered Dielectric Elastomer Actuator. IEEE Robotics and Automation Letters, 2021, 6, 7278-7284.	3.3	2
23	Topology Construction Protocol for Wireless Power Transfer System with a 2-D Relay Resonator Array. , 2020, , .		1
24	Effect of Body Materials on Transmission Efficiency and Resonant Frequency in Wirelessly Powered Personal Mobility Devices. , 2020, , .		1
25	Twin Meander Coil. , 2021, 5, 1-21.		1
26	Ramus: A Frequency-Multiplexed Power Bus for Powering, Sensing and Controlling Robots. IEEE Robotics and Automation Letters, 2020, 5, 4126-4132.	3.3	0
27	Geometry-Based Circuit Modeling of Quasi-Static Cavity Resonators for Wireless Power Transfer. IEEE Open Journal of Power Electronics, 2022, 3, 382-390.	4.0	0