

# Sreyam Sinha

## List of Publications by Year in descending order

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30  
papers

723  
citations

1684188

5  
h-index

2053705

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g-index

30  
all docs

30  
docs citations

30  
times ranked

289  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of High-Efficiency Matching Networks for Capacitive Wireless Power Transfer Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 104-127.	5.4	37
2	High-Performance Multi-MHz Capacitive Wireless Power Transfer System for EV Charging Utilizing Interleaved-Foil Coupled Inductors. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 35-51.	5.4	48
3	Comparison of Large Air-Gap Inductive and Capacitive Wireless Power Transfer Systems. , 2021, , .		7
4	Optimized Design of High-Efficiency Immittance Matching Networks for Capacitive Wireless Power Transfer Systems. , 2021, , .		3
5	A Large Air-Gap Multi-MHz Capacitive Wireless Power Transfer System Using Compact Charging Pads. , 2021, , .		10
6	A Variable Compensation Inverter Rectifier (VCIR) based Approach to Compensate for Coupling Variations in Wireless Power Transfer Systems. , 2021, , .		0
7	Active Variable Reactance Rectifierâ€”A New Approach to Compensating for Coupling Variations in Wireless Power Transfer Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2022-2040.	5.4	28
8	A 3.75-kW High-Power-Transfer-Density Capacitive Wireless Charging System for EVs Utilizing Toroidal-Interleaved-Foil Coupled Inductors. , 2020, , .		13
9	Multi-MHz Multi-kV Power Amplifier for Compact Particle Accelerators. , 2020, , .		2
10	Theoretical Limits of Power Transfer in Capacitive Wireless Charging Systems. , 2020, , .		7
11	Closed-loop Control of a Dynamic Capacitive Wireless Power Transfer System. , 2019, , .		4
12	High-Efficiency High-Power-Transfer-Density Capacitive Wireless Power Transfer System for Electric Vehicle Charging Utilizing Semi-Toroidal Interleaved-Foil Coupled Inductors. , 2019, , .		23
13	A New Design Approach to Mitigating the Effect of Parasitics in Capacitive Wireless Power Transfer Systems for Electric Vehicle Charging. IEEE Transactions on Transportation Electrification, 2019, 5, 1040-1059.	7.8	79
14	A Multi-MHz Large Air-gap Capacitive Wireless Power Transfer System Utilizing an Active Variable Reactance Rectifier Suitable for Dynamic Electric Vehicle Charging. , 2019, , .		3
15	Improved design optimization of efficient matching networks for capacitive wireless power transfer systems. , 2018, , .		15
16	A high-frequency inverter architecture for providing variable compensation in wireless power transfer systems. , 2018, , .		23
17	Improved Design Optimization for High-Efficiency Matching Networks. IEEE Transactions on Power Electronics, 2018, 33, 37-50.	7.9	42
18	High-Performance Capacitive Wireless Power Transfer System for Electric Vehicle Charging with Enhanced Coupling Plate Design. , 2018, , .		32

#	ARTICLE	IF	CITATIONS
19	Impact of Foreign Objects on the Performance of Capacitive Wireless Charging Systems for Electric Vehicles. , 2018, , .		9
20	High-Performance 13.56-MHz Large Air-Gap Capacitive Wireless Power Transfer System for Electric Vehicle Charging. , 2018, , .		43
21	Kilowatt-scale large air-gap multi-modular capacitive wireless power transfer system for electric vehicle charging. , 2018, , .		41
22	Multi-objective optimization of capacitive wireless power transfer systems for electric vehicle charging. , 2017, , .		21
23	High-performance large air-gap capacitive wireless power transfer system for electric vehicle charging. , 2017, , .		53
24	High-power-transfer-density capacitive wireless power transfer system for electric vehicle charging. , 2017, , .		52
25	Capacitive wireless powering for electric vehicles with near-field phased arrays. , 2017, , .		7
26	Active variable reactance rectifier â€” A new approach to compensating for coupling variations in wireless power transfer systems. , 2017, , .		20
27	A very-high-power-transfer-density GaN-based capacitive wireless power transfer system. , 2017, , .		21
28	Improved design optimization approach for high efficiency matching networks. , 2016, , .		5
29	Design tradeoffs in a multi-modular capacitive wireless power transfer system. , 2016, , .		31
30	Design of efficient matching networks for capacitive wireless power transfer systems. , 2016, , .		44