

# Hong-jun Xiang

## List of Publications by Year in descending order

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15  
papers

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citations

1937685

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1720034

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all docs

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docs citations

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times ranked

54  
citing authors

#	ARTICLE	IF	CITATIONS
1	Primary Structural Design and Optimal Armature Simulation for a Practical Electromagnetic Launcher. IEEE Transactions on Plasma Science, 2013, 41, 1403-1409.	1.3	16
2	Physical Principle and Relevant Restraining Methods About Velocity Skin Effect. IEEE Transactions on Plasma Science, 2015, 43, 1523-1530.	1.3	12
3	Design and Simulation of New Type Reactor in the Wastewater Treatment System Based on Discharge Plasma. IEEE Transactions on Plasma Science, 2019, 47, 952-957.	1.3	9
4	Reverse Force Suppression Method of Reluctance Coil Launcher Based on Consumption Resistor. IEEE Access, 2021, 9, 62770-62778.	4.2	7
5	Analysis of the force characteristic on the armature of inductive coil launcher and trigger strategy. , 2011, , .		4
6	Matching Characteristics of Driving Coil Turns and Armature Velocity for Electromagnetic Inductive Coil Launcher. , 2012, , .		4
7	Determination Method of Optimal Trigger Position for Induction Coil Launcher Based on the Reverse Point of Electromagnetic Force on Armature. IEEE Transactions on Plasma Science, 2019, 47, 4415-4421.	1.3	4
8	Flexible Sliding Contact Between Armature and Rails for the Practical Launcher Model. IEEE Transactions on Plasma Science, 2017, 45, 1489-1495.	1.3	3
9	Effect Analysis of the Time Sequence to the Penetration Performance of High-Speed Metal Jet. IEEE Transactions on Plasma Science, 2019, 47, 944-951.	1.3	2
10	Analysis of the induced current in the armature of induction type electromagnetic driver. , 2011, , .		1
11	Research on the control strategy of multistage synchronous inductive coil launcher. , 2012, , .		1
12	Substation switching electromagnetic transient analysis using the time domain integral equation with a high order implicit scheme. , 2012, , .		0
13	Mathematical Model and Simulation Calculation Method of Metal Jet With High Velocity in the Passive Electromagnetic Armor. IEEE Transactions on Plasma Science, 2017, 45, 1281-1287.	1.3	0
14	Armature Technologies and Launching Capability of Electromagnetic Railgun Launcher with Monolithic U-shaped Aluminum Armature. , 2021, , .		0
15	Parameters Simulation and Optimization of Flying Net for UAVs Interception. IEEE Access, 2022, 10, 56668-56676.	4.2	0