

# Palanivel Molaiyan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/497516/publications.pdf>

Version: 2024-02-01

9  
papers

222  
citations

1307594

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1474206

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g-index

9  
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docs citations

9  
times ranked

165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Printed electronics to accelerate solid-state battery development. Nano Express, 2022, 3, 021002.	2.4	11
2	Characterization of Stressing Conditions in a High Energy Ball Mill by Discrete Element Simulations. Processes, 2022, 10, 692.	2.8	7
3	Perspectives on Improving the Safety and Sustainability of High Voltage Lithium-ion Batteries Through the Electrolyte and Separator Region. Advanced Energy Materials, 2022, 12, .	19.5	64
4	Fluoride ion batteries – past, present, and future. Journal of Materials Chemistry A, 2021, 9, 5980-6012.	10.3	89
5	Synthesis and characterization of $\text{Ca}_{1-x}\text{Sm}_x\text{F}_{2+2x}$ Processing Communications, 2021, 3, e226.	0.9	3
6	$\text{CaF}_2$ solid-state electrolytes prepared by vapor pressure exposure and solid synthesis for defect and ionic conductivity tuning. Material Design and Processing Communications, 2020, 2, e76.	0.9	5
7	Crystal phase and surface defect driven synthesis of $\text{Pb}_{1-x}\text{Sn}_x\text{F}_2$ solid solution electrolyte for fluoride ion batteries. Journal of Electroanalytical Chemistry, 2019, 845, 154-159.	3.8	17
8	Mechanochemical synthesis of solid-state electrolyte $\text{Sm}_{1-x}\text{Ca}_x\text{F}_{3-x}$ for batteries and other electrochemical devices. Materials Letters, 2019, 244, 22-26.	2.6	13
9	Surface defect-enhanced conductivity of calcium fluoride for electrochemical applications. Material Design and Processing Communications, 2019, 1, e44.	0.9	13