

CaF₂ solid-state electrolytes prepared by vapor pressure exposure and solid synthesis for defect and ionic conductivity tuning

Molaiyan, Palanivel; Witter, Raiker Material design & processing communications 2020 / art. e76, 6 p. : ill

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/mdp2.76> <https://doi.org/10.1002/mdp2.76> [Journal metrics at Scopus](#) [Article at Scopus](#)

Crystal phase and surface defect driven synthesis of Pb_{1-x}Sn_xF₂ solid solution electrolyte for fluoride ion batteries

Molaiyan, Palanivel; Witter, Raiker Journal of electroanalytical chemistry 2019 / p. 154-159

<https://doi.org/10.1016/j.jelechem.2019.04.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CZTS monograin membranes for photoelectrochemical fuel production modifications for fuel production

Kouhiisfahani, Elham; Samiepour, Ali; Morawietz, Tobias; Kraut, Jürgen; Hiesgen, Renate; Meissner, Dieter 5th International Conference on Clean Electrical Power : Renewable Energy Resources Impact : Taormina (Italy), 16th-18th June 2015 2015 / p. 222-225 : ill <http://dx.doi.org/10.1109/ICCEP.2015.7177627>

Mechanochemical synthesis of solid-state electrolyte Sm_{1-x}Ca_xF_{3-x} for batteries and other electrochemical devices

Molaiyan, Palanivel; Witter, Raiker Materials letters 2019 / p. 22-26 <https://doi.org/10.1016/j.matlet.2019.02.034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nanostructured fluorite-type fluorides as electrolytes for fluoride ion batteries

Rongeat, Carine; Reddy, M. Anji; **Witter, Raiker**; Fichtner, Maximilian Journal of Physical Chemistry C 2013 / p. 4943 - 4950

<https://doi.org/10.1021/jp3117825> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solar energy conversion using powder materials : a new technology to save our climate

Meissner, Dieter International Conference On Renewable Energy (INCORE 2016) : book of programme and abstract 2016 / p. 14

Surface defect-enhanced conductivity of calcium fluoride for electrochemical applications

Molaiyan, Palanivel; Witter, Raiker Material design & processing communications 2019 / art. e44, 10 p. : ill

<https://doi.org/10.1002/mdp2.44>

Synthesis and characterization of Ca(1-x)Sm_xF(2+x) (0 ≤ x ≤ 0.15) solid electrolytes for fluoride-ion batteries

Molaiyan, Palanivel; Witter, Raiker Material design and processing communications 2021 / art. e226, 6 p. : ill

<https://doi.org/10.1002/mdp2.226> [Journal metrics at Scopus](#) [Article at Scopus](#)

Synthesis of fast fluoride-ion-conductive fluorite-type Ba_{1-x}Sb_xF_{2+x} (0.1 ≤ x ≤ 0.4) : a potential solid electrolyte for fluoride-ion batteries

Mohammad, Irshad; Chable, Johann; Witter, Raiker; Fichtner, Maximilian; Reddy, M. Anji ACS applied materials and interfaces

ACS applied materials & interfaces 2018 / p. 17249–17256 : ill <https://doi.org/10.1021/acsami.8b04108> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)