

# Arshad Khan

## List of Publications by Year in descending order

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papers

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docs citations

34  
times ranked

321  
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth, optical, and luminescence characterization of LiCsMoO <sub>4</sub> crystal. Journal of Crystal Growth, 2022, 580, 126466.	1.5	1
2	Thallium-based heavy inorganic scintillators: recent developments and future perspectives. CrystEngComm, 2022, 24, 450-464.	2.6	3
3	Synthesis and luminescence studies of Dy <sup>3+</sup> doped Li <sub>3</sub> Sc(BO <sub>3</sub> ) <sub>2</sub> polycrystalline powder for warm white light. Ceramics International, 2022, 48, 10667-10676.	4.8	9
4	Luminescence and scintillation properties of ZnMo <sub>1-x</sub> W <sub>x</sub> O <sub>4</sub> crystal. Radiation Measurements, 2022, 153, 106744.	1.4	0
5	Low temperature luminescence and scintillation properties of NaLa(MoO <sub>4</sub> ) <sub>2</sub> crystal grown by the vertical Bridgman method. Journal of Luminescence, 2021, 231, 117780.	3.1	5
6	Optimization and characterization of detector and trigger system for a KAPAE design. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 989, 164941.	1.6	4
7	$\text{LiCeCl}_2$	1.4	2
8	Characterization of a Pure CsI Crystal at Low Temperature for a Dark-Matter Search. New Physics: Sae Mulli, 2021, 71, 469-475.	0.1	0
9	Luminescence and scintillation properties of Ce <sup>3+</sup> -doped P <sub>2</sub> O <sub>5</sub> -Li <sub>2</sub> CO <sub>3</sub> -GdBr <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> glasses. Journal of Non-Crystalline Solids, 2021, 567, 120914.	3.1	17
10	Optical properties of the Czochralski grown Cs <sub>2</sub> MoO <sub>4</sub> crystal. Optik, 2021, 242, 167035.	2.9	2
11	Luminescence and scintillation properties of Czochralski grown Pr <sup>3+</sup> doped Li <sub>6</sub> Y(BO <sub>3</sub> ) <sub>3</sub> single crystal. Optical Materials, 2021, 119, 111361.	3.6	4
12	Czochralski growth, electronic structure, luminescence and scintillation properties of Cs <sub>2</sub> Mo <sub>3</sub> O <sub>10</sub> : A new scintillation crystal for $0\nu_{1/2}^0\nu_{1/2}^0$ decay search. Journal of Alloys and Compounds, 2020, 821, 153466.	5.5	17
13	Comprehending the role of trap centers and host energy transfers in excitation density dependent kinetics of Ce doped Gd <sub>3</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> scintillator; an unresolved scintillation characteristic. Journal of Luminescence, 2020, 219, 116815.	3.1	4
14	Discovery, Crystal Growth, and Scintillation Properties of Novel Tl <sup>+</sup> -Based Scintillators. Crystal Research and Technology, 2020, 55, 2000074.	1.3	5
15	Luminescence and Scintillation Properties of Dy <sup>3+</sup> doped Li <sub>6</sub> Y(BO <sub>3</sub> ) <sub>3</sub> crystal. Optical Materials, 2020, 106, 109973.	3.6	13
16	Development of Tin-Based Single Crystal Scintillator for Double-Beta Decay Experiments. IEEE Transactions on Nuclear Science, 2020, 67, 922-926.	2.0	0
17	PbMoO <sub>4</sub> Synthesis from Ancient Lead and Its Single Crystal Growth for Neutrinoless Double Beta Decay Search. Crystals, 2020, 10, 150.	2.2	11
18	Silver-Doped LiI Crystal: A Sensitive Thermal Neutron Detector With Pulse Shape Discrimination. IEEE Transactions on Nuclear Science, 2020, 67, 2290-2294.	2.0	9

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19	Crystal growth and Ce <sup>3+</sup> concentration optimization in Tl <sub>2</sub> LaCl <sub>5</sub> : An excellent scintillator for the radiation detection. Journal of Alloys and Compounds, 2020, 827, 154366.	5.5	23
20	Characterizations of a New Tl-based Elpasolite Scintillator: Tl <sub>2</sub> LiScCl <sub>6</sub> . Journal of the Korean Physical Society, 2020, 76, 706-709.	0.7	4
21	Scintillation Properties of Tetrafluoroaluminate Crystal. IEEE Transactions on Nuclear Science, 2020, 67, 898-903.	2.0	5
22	Development of Tl-based novel scintillators. , 2020, , .		1
23	Search for New Molybdenum-Based Crystal Scintillators for the Neutrino-less Double Beta Decay Search Experiment. Crystal Research and Technology, 2019, 54, 1900079.	1.3	19
24	First results from the AMoRE-Pilot neutrinoless double beta decay experiment. European Physical Journal C, 2019, 79, 1.	3.9	80
25	Luminescence and scintillation characterization of PbMoO <sub>4</sub> crystal for neutrinoless double beta decay search. Radiation Measurements, 2019, 123, 34-38.	1.4	10
26	Ce <sup>3+</sup> -activated Tl <sub>2</sub> GdCl <sub>5</sub> : Novel halide scintillator for X-ray and $\hat{\gamma}$ -ray detection. Journal of Alloys and Compounds, 2018, 741, 878-882.	5.5	27
27	Tl <sub>2</sub> GdCl <sub>5</sub> (Ce <sup>3+</sup> ): A New Efficient Scintillator for X-and $\gamma$ -Ray Detection. IEEE Transactions on Nuclear Science, 2018, 65, 2157-2161.	2.0	6
28	Scintillation Properties of TlGd <sub>2</sub> Cl <sub>7</sub> (Ce <sup>3+</sup> ) Single Crystal. IEEE Transactions on Nuclear Science, 2018, 65, 2152-2156.	2.0	10
29	Scintillation Properties of Ce <sup>3+</sup> Doped Silicon-Magnesium-Aluminum-Lithium Glass Scintillators by using Radiation Sources. Journal of the Korean Physical Society, 2018, 73, 1174-1179.	0.7	4
30	Scintillation performance of the TlSr <sub>2</sub> 15 (Eu <sup>2+</sup> ) single crystal. Optical Materials, 2018, 82, 7-10.	3.6	24
31	New Tl <sub>2</sub> LaBr <sub>5</sub> :Ce <sup>3+</sup> crystal scintillator for $\hat{\gamma}$ -rays detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 849, 72-75.	1.6	26
32	Intrinsically activated TlCaCl <sub>3</sub> : A new halide scintillator for radiation detection. Radiation Measurements, 2017, 107, 115-118.	1.4	22
33	TlSr <sub>2</sub> Br <sub>5</sub> : New intrinsic scintillator for X-ray and $\hat{\gamma}$ -ray detection. Optical Materials, 2017, 73, 523-526.	3.6	17
34	Resistive Plate Chamber digitization in a hadronic shower environment. Journal of Instrumentation, 2016, 11, P06014-P06014.	1.2	5