Arshad Khan

List of Publications by Year
in descending order

34	389	840776 11	794594 19
papers	citations	h-index	g-index

34	34	34	321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First results from the AMoRE-Pilot neutrinoless double beta decay experiment. European Physical Journal C, 2019, 79, 1.	3.9	80
2	Ce3+-activated Tl2GdCl5: Novel halide scintillator for X-ray and Î³-ray detection. Journal of Alloys and Compounds, 2018, 741, 878-882.	5.5	27
3	New Tl 2 LaBr 5 : Ce 3+ crystal scintillator for Î³-rays detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 849, 72-75.	1.6	26
4	Scintillation performance of the TlSr2I5 (Eu2+) single crystal. Optical Materials, 2018, 82, 7-10.	3.6	24
5	Crystal growth and Ce3+ concentration optimization in Tl2LaCl5: An excellent scintillator for the radiation detection. Journal of Alloys and Compounds, 2020, 827, 154366.	5.5	23
6	Intrinsically activated TlCaCl3: A new halide scintillator for radiation detection. Radiation Measurements, 2017, 107, 115-118.	1.4	22
7	Search for New Molybdenumâ€Based Crystal Scintillators for the Neutrinoâ€Less Double Beta Decay Search Experiment. Crystal Research and Technology, 2019, 54, 1900079.	1.3	19
8	TlSr2Br5: New intrinsic scintillator for X-ray and Î³-ray detection. Optical Materials, 2017, 73, 523-526.	3.6	17
9	Czochralski growth, electronic structure, luminescence and scintillation properties of Cs2Mo3O10: A new scintillation crystal for 0Î½2Î²2Î² decay search. Journal of Alloys and Compounds, 2020, 821, 153466.	5.5	17
10	Luminescence and scintillation properties of Ce3+-doped P2O5-Li2CO3-GdBr3-Al2O3 glasses. Journal of Non-Crystalline Solids, 2021, 567, 120914.	3.1	17
11	Luminescence and Scintillation Properties of Dy3+ doped Li6Y(BO3)3 crystal. Optical Materials, 2020, 106, 109973.	3.6	13
12	PbMoO4 Synthesis from Ancient Lead and Its Single Crystal Growth for Neutrinoless Double Beta Decay Search. Crystals, 2020, 10, 150.	2.2	11
13	Scintillation Properties of TlGd₂Cl₇ (Ce³⁺) Single Crystal. IEEE Transactions on Nuclear Science, 2018, 65, 2152-2156.	2.0	10
14	Luminescence and scintillation characterization of PbMoO4 crystal for neutrinoless double beta decay search. Radiation Measurements, 2019, 123, 34-38.	1.4	10
15	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
16	Synthesis and luminescence studies of Dy3+ doped Li3Sc(BO3)2 polycrystalline powder for warm white light. Ceramics International, 2022, 48, 10667-10676.	4.8	9
17	Tl2GdCl5 (Ce3+): A New Efficient Scintillator for X-and $gamma$ -Ray Detection. IEEE Transactions on Nuclear Science, 2018, 65, 2157-2161.	2.0	6
18	Resistive Plate Chamber digitization in a hadronic shower environment. Journal of Instrumentation, 2016, 11, P06014-P06014.	1.2	5

#	Article	IF	Citations
19	Discovery, Crystal Growth, and Scintillation Properties of Novel Tlâ€Based Scintillators. Crystal Research and Technology, 2020, 55, 2000074.	1.3	5
20	Scintillation Properties of Tetrafluoroaluminate Crystal. IEEE Transactions on Nuclear Science, 2020, 67, 898-903.	2.0	5
21	Low temperature luminescence and scintillation properties of NaLa(MoO4)2 crystal grown by the vertical Bridgman method. Journal of Luminescence, 2021, 231, 117780.	3.1	5
22	Scintillation Properties of Ce3+ Doped Silicon-Magnesium-Aluminum-Lithium Glass Scintillators by using Radiation Sources. Journal of the Korean Physical Society, 2018, 73, 1174-1179.	0.7	4
23	Comprehending the role of trap centers and host energy transfers in excitation density dependent kinetics of Ce doped Gd3Ga3Al2O12scintillator; an unresolved scintillation characteristic. Journal of Luminescence, 2020, 219, 116815.	3.1	4
24	Characterizations of a New Tl-based Elpasolite Scintillator: Tl2LiScCl6. Journal of the Korean Physical Society, 2020, 76, 706-709.	0.7	4
25	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
26	Luminescence and scintillation properties of Czochralski grown Pr3+ doped Li6Y(BO3)3 single crystal. Optical Materials, 2021, 119, 111361.	3.6	4
27	Thallium-based heavy inorganic scintillators: recent developments and future perspectives. CrystEngComm, 2022, 24, 450-464.	2.6	3
28	Crystal growth and characterization of K<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e143" altimg="si8.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>LiCeCl<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e151" altimg="si9.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msu	1.4	2
29	Optical properties of the Czochralski grown Cs2MoO4 crystal. Optik, 2021, 242, 167035.	2.9	2
30	Development of Tl-based novel scintillators. , 2020, , .		1
31	Growth, optical, and luminescence characterization of LiCsMoO4 crystal. Journal of Crystal Growth, 2022, 580, 126466.	1.5	1
32	Development of Tin-Based Single Crystal Scintillator for Double-Beta Decay Experiments. IEEE Transactions on Nuclear Science, 2020, 67, 922-926.	2.0	0
33	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
34	Luminescence and scintillation properties of ZnMo1-xWxO4 crystal. Radiation Measurements, 2022, 153, 106744.	1.4	0