

# Pritam Khan

## List of Publications by Year in descending order

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28  
papers

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citations

933447

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940533

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29  
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docs citations

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times ranked

218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence of fast photodarkening and slow photobleaching in Ge <sub>19</sub> As <sub>21</sub> Se <sub>60</sub> thin films. Optics Express, 2012, 20, 12416.	3.4	43
2	Role of Ge:As ratio in controlling the light-induced response of a-Ge <sub>x</sub> As <sub>35</sub> Se <sub>65</sub> thin films. Scientific Reports, 2014, 4, 4029.	3.3	32
3	Direct visualization of phase-matched efficient second harmonic and broadband sum frequency generation in hybrid plasmonic nanostructures. Light: Science and Applications, 2020, 9, 180.	16.6	24
4	Quantification of nonlinear absorption in ternary As-Sb-Se chalcogenide glasses. Journal of Applied Physics, 2019, 125, .	2.5	18
5	Light induced diffusion driven self assembly of Ag nanoparticles in a-Se/Ag bi-layer thin film with ultrafast optical response. Applied Physics Letters, 2013, 102, 213110.	3.3	17
6	Nanosecond light induced, thermally tunable transient dual absorption bands in a-Ge <sub>5</sub> As <sub>30</sub> Se <sub>65</sub> thin film. Scientific Reports, 2015, 4, 6573.	3.3	16
7	Characterisation and Manipulation of Polarisation Response in Plasmonic and Magneto-Plasmonic Nanostructures and Metamaterials. Symmetry, 2020, 12, 1365.	2.2	16
8	Ultrafast light-driven simultaneous excitation of coherent terahertz magnons and phonons in multiferroic BiFeO <sub>3</sub> . Physical Review B, 2020, 101, .	8.2	16
9	Unveiling and engineering of third-order optical nonlinearities in NiCo <sub>2</sub> O <sub>4</sub> nanoflowers. Optics Letters, 2021, 46, 5930.	3.3	11
10	First observation of the temperature-dependent light-induced response of Ge <sub>25</sub> As <sub>10</sub> Se <sub>65</sub> thin films. Optics Letters, 2015, 40, 1559.	3.3	10
11	Nanosecond light-induced transient absorption in As <sub>2</sub> S <sub>3</sub> : Self-trapped exciton recombination in amorphous chalcogenides. Journal of Non-Crystalline Solids, 2015, 426, 72-77.	3.1	9
12	Tailoring between network rigidity and nanosecond transient absorption in a-Ge <sub>x</sub> As <sub>35</sub> Se <sub>65</sub> thin films. Optics Letters, 2015, 40, 768.	3.3	9
13	Kinetics of photo-dissolution within Ag/As <sub>2</sub> S <sub>3</sub> heterostructure. Journal of Non-Crystalline Solids, 2018, 500, 468-474.	3.1	9
14	Near resonant nanosecond laser-driven nonlinear optical response in As <sub>50</sub> S <sub>50</sub> thin films. Journal Physics D: Applied Physics, 2020, 53, 245102.	2.8	9
15	Photoinduced formation of Ag nanoparticles on the surface of As <sub>2</sub> S <sub>3</sub> /Ag thin bilayer. Materials Research Express, 2014, 1, 045025.	1.6	7
16	Observation of giant photodarkening and temperature mediated transition to photobleaching in As <sub>2</sub> Se <sub>3</sub> /Ag/Se trilayer. Journal of Non-Crystalline Solids, 2016, 449, 70-74.	3.1	7
17	Investigation of temperature dependent optical modes in Ge <sub>x</sub> As <sub>35</sub> Se <sub>65</sub> thin films: Structure specific Raman, FIR and optical absorption spectroscopy. Thin Solid Films, 2017, 621, 76-83.	1.8	7
18	Excitation of coherent optical phonons in iron garnet by femtosecond laser pulses. Journal of Physics Condensed Matter, 2019, 31, 275402.	1.8	7

#	ARTICLE	IF	CITATIONS
19	Light-Induced Effects in Amorphous Chalcogenide Glasses: Femtoseconds to Seconds. <i>Physics</i> , 2021, 3, 255-274.	1.4	7
20	Tuning nanosecond transient absorption in a-Ge <sub>25</sub> As <sub>10</sub> Se <sub>65</sub> thin films via background illumination. <i>Optics Letters</i> , 2015, 40, 4512.	3.3	5
21	Strong exciton-localized plasmon coupling in a-Ge <sub>24</sub> Se <sub>76</sub> /AuNP heterostructure. <i>APL Materials</i> , 2016, 4, 106105.	5.1	5
22	Ultrafast light-induced softening of chalcogenide thin films above the rigidity percolation transition. <i>Journal of Applied Physics</i> , 2018, 124, 125702.	2.5	3
23	Circular Polarization Conversion in Single Plasmonic Spherical Particles. <i>Nano Letters</i> , 2022, 22, 1504-1510.	9.1	2
24	Pulse-duration dependence of saturable and reverse saturable absorption in ZnCo <sub>2</sub> O <sub>4</sub> microflowers. <i>Optical Materials</i> , 2021, 120, 111459.	3.6	1
25	Nanosecond light induced transient absorption in a-Ge <sub>5</sub> As <sub>30</sub> Se <sub>65</sub> thin films. , 2013, , .		0
26	Time evolution of photo-generated defect states in a-Se thin films. , 2013, , .		0
27	Composition dependent light induced crossover from photodarkening to photobleaching in Ge <sub>x</sub> As <sub>35</sub> Se <sub>65</sub> thin films. , 2014, , .		0
28	Observation of photobleaching and intensity dependent kinetics in Ge <sub>22</sub> As <sub>22</sub> Se <sub>56</sub> thin films under sub-bandgap light illumination. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 73, 012073.	0.6	0