

# Pawan Kumar Kanaujia

## List of Publications by Year in descending order

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28  
papers

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840776

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677142

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28  
docs citations

28  
times ranked

831  
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Intercalation Dynamics in Inorganic-Organic Layered Perovskite Thin Films. ACS Applied Materials & Interfaces, 2014, 6, 10238-10247.	8.0	98
2	Strong Photocurrent from Two-Dimensional Excitons in Solution-Processed Stacked Perovskite Semiconductor Sheets. ACS Applied Materials & Interfaces, 2015, 7, 25227-25236.	8.0	93
3	Direct deposition strategy for highly ordered inorganic organic perovskite thin films and their optoelectronic applications. Optical Materials Express, 2014, 4, 1313.	3.0	44
4	Laser-induced microstructuring of two-dimensional layered inorganic-organic perovskites. Physical Chemistry Chemical Physics, 2016, 18, 9666-9672.	2.8	35
5	Gold nanoflowers as efficient hosts for SERS based sensing and bio-imaging. Nano Structures Nano Objects, 2018, 16, 329-336.	3.5	31
6	Efficient Surface Enhanced Raman Scattering substrates from femtosecond laser based fabrication. Optical Materials, 2017, 72, 86-90.	3.6	24
7	Additive manufacturing of composite materials and functionally graded structures using selective heat melting technique. Journal of Materials Science and Technology, 2020, 47, 243-252.	10.7	19
8	Mechanical response of lightweight hollow truss metal oxide lattices. Materialia, 2019, 8, 100439.	2.7	14
9	Structural and optical diversity in copper halide-based ferromagnetic inorganic-organic layered hybrids. Journal of Solid State Chemistry, 2019, 273, 219-225.	2.9	14
10	Calcium and Strontium Coordination Polymers Based on Rigid and Flexible Aromatic Dicarboxylates: Synthesis, Structure, Photoluminescence and Dielectric Properties. ChemistrySelect, 2017, 2, 8567-8576.	1.5	13
11	Investigating resonance energy transfer from protein molecules to van der Waals nanosheets. RSC Advances, 2017, 7, 26250-26255.	3.6	11
12	Growth of few- and multilayer graphene on different substrates using pulsed nanosecond Q-switched Nd:YAG laser. Journal of Materials Science, 2017, 52, 12295-12306.	3.7	11
13	Silicon-Based Inorganic-Organic Hybrid Nanocomposites for Optoelectronic Applications. Energy Technology, 2017, 5, 1795-1799.	3.8	9
14	Cavity resonance tunability of porous silicon microcavities by Ar+ ion irradiation. Applied Surface Science, 2021, 535, 147696.	6.1	9
15	Improvements in the modulus and strength of multi-dimensional hybrid composites through synergistic reinforcement between 1D fiber and 0D particle fillers. Journal of Materials Science, 2021, 56, 15162-15179.	3.7	9
16	Ultrafast laser based hybrid methodology of silicon microstructure fabrication for optoelectronic applications. Applied Surface Science, 2017, 420, 63-69.	6.1	8
17	Real-time dynamic evolution monitoring of laser-induced exciton phase flips in 2D hybrid semiconductor (C <sub>12</sub> H <sub>25</sub> NH <sub>3</sub> ) <sub>2</sub> PbI <sub>4</sub> . Journal of Applied Physics, 2020, 128, 023104.	2.5	8
18	Effect of volatile solvent infiltration on optical and electrical characteristics of porous photonic structures. RSC Advances, 2014, 4, 21246.	3.6	7

#	ARTICLE	IF	CITATIONS
19	Laser-induced inter-ion migration and the effect of different long alkylammonium halide functionalization on $\text{CH}_3\text{NH}_3\text{Pb}(\text{Br}_{1-x}\text{I}_x)_3$ colloidal nanoparticles. <i>Applied Surface Science</i> , 2020, 526, 146789.	6.1	5
20	Facile growth and re-crystallization of polymer-based inorganic-organic 2D hybrid composites and their applications. <i>Journal of Alloys and Compounds</i> , 2020, 829, 154550.	5.5	5
21	Structural phase transitions and thermal stability in Cu-based 2D inorganic-organic hybrid perovskite systems. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	4
22	Structure-Dependent (Non)Linear Optical Excitons in Primary Cyclic Ammonium ( $\text{C}_n\text{H}_{2n+1}\text{NH}_2$ ; $n = 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12$ ) Tetraalkylammonium Perfluoroborate Salts. <i>ACS Applied Materials</i> , 2020, 12, 6821-6831.	3.1	4
23	Resonance Raman scattering and ab initio calculation of electron energy loss spectra of MoS <sub>2</sub> nanosheets. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 4057-4061.	2.1	3
24	Magnetic phase transition in layered inorganic-organic hybrid $(\text{C}_{12}\text{H}_{25}\text{NH}_3)_2\text{CuCl}_4$ . <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
25	Alternative fabrication methodologies for two-dimensional self-assembled Inorganic-Organic hybrid semiconductors. <i>Optical Materials</i> , 2020, 110, 110511.	3.6	2
26	Femtosecond Laser Based Fabrication of Nanostructured Silicon. , 2016, , .		1
27	Exceptional energy absorption characteristics and compressive resilience of functional carbon foams scalably and sustainably derived from additively manufactured kraft paper. <i>Additive Manufacturing</i> , 2022, 58, 102992.	3.0	1
28	Precise Dynamic Control of the Mechanical and Self-Healing Properties of an Electrolytic Cell with Soluble Porous Anode. <i>Advanced Engineering Materials</i> , 2020, 22, 1900833.	3.5	0