Yevhen Shynkarenko

List of Publications by Year
in descending order

32 papers	3,707 citations	361296 20 h-index	501076 28 g-index
32 all docs	32 docs citations	32 times ranked	4495 citing authors

#	Article	IF	Citations
1	Structural Diversity in Multicomponent Nanocrystal Superlattices Comprising Lead Halide Perovskite Nanocubes. ACS Nano, 2022, 16, 7210-7232.	7.3	18
2	Reconfigurable halide perovskite nanocrystal memristors for neuromorphic computing. Nature Communications, 2022, 13, 2074.	5.8	89
3	Laser Patterning of Highâ€Massâ€Loading Graphite Anodes for Highâ€Performance Liâ€Ion Batteries. Batteries and Supercaps, 2021, 4, 464-468.	2.4	19
4	Pressureâ€Induced Perovskiteâ€toâ€nonâ€Perovskite Phase Transition in CsPbBr 3. Helvetica Chimica Acta, 2021, 104, e2000222.	1.0	8
5	Radiative lifetime-encoded unicolour security tags using perovskite nanocrystals. Nature Communications, 2021, 12, 981.	5.8	67
6	Shortwave infrared-absorbing squaraine dyes for all-organic optical upconversion devices. Science and Technology of Advanced Materials, 2021, 22, 194-204.	2.8	15
7	Perovskite Quantum Dots for Superâ€Resolution Optical Microscopy: Where Strong Photoluminescence Blinking Matters. Advanced Optical Materials, 2021, 9, 2100620.	3.6	10
8	Perovskite Quantum Dots for Superâ€Resolution Optical Microscopy: Where Strong Photoluminescence Blinking Matters (Advanced Optical Materials 18/2021). Advanced Optical Materials, 2021, 9, 2170073.	3.6	0
9	Shape-Directed Co-Assembly of Lead Halide Perovskite Nanocubes with Dielectric Nanodisks into Binary Nanocrystal Superlattices. ACS Nano, 2021, 15, 16488-16500.	7.3	25
10	Hybrid 0D Antimony Halides as Airâ€Stable Luminophores for Highâ€Spatialâ€Resolution Remote Thermography. Advanced Materials, 2021, 33, e2007355.	11.1	80
11	A Small Cationic Organoâ€“Copper Cluster as Thermally Robust Highly Photo- and Electroluminescent Material. Journal of the American Chemical Society, 2020, 142, 373-381.	6.6	77
12	Fast Neutron Imaging with Semiconductor Nanocrystal Scintillators. ACS Nano, 2020, 14, 14686-14697.	7.3	34
13	The Rb₇Bi_{3â^'3x}Sb_{3x}Cl₁₆ Family: A Fully Inorganic Solid Solution with Roomâ€Temperature Luminescent Members. Angewandte Chemie, 2020, 132, 14598-14605.	1.6	11
14	The Rb₇Bi_{3â^'3x}Sb_{3x}Cl₁₆ Family: A Fully Inorganic Solid Solution with Roomâ€Temperature Luminescent Members. Angewandte Chemie - International Edition, 2020, 59, 14490-14497.	7.2	56
15	Bright Blue and Green Luminescence of Sb(III) in Double Perovskite Cs₂MInCl₆ (M = Na, K) Matrices. Chemistry of Materials, 2020, 32, 5118-5124.	3.2	196
16	High-resolution remote thermometry and thermography using luminescent low-dimensional tin-halide perovskites. Nature Materials, 2019, 18, 846-852.	13.3	246
17	Direct Synthesis of Quaternary Alkylammonium-Capped Perovskite Nanocrystals for Efficient Blue and Green Light-Emitting Diodes. ACS Energy Letters, 2019, 4, 2703-2711.	8.8	161
18	Manganese(II) in Tetrahedral Halide Environment: Factors Governing Bright Green Luminescence. Chemistry of Materials, 2019, 31, 10161-10169.	3.2	200

#	Article	IF	Citations
19	Disphenoidal Zero-Dimensional Lead, Tin, and Germanium Halides: Highly Emissive Singlet and Triplet Self-Trapped Excitons and X-ray Scintillation. Journal of the American Chemical Society, 2019, 141, 9764-9768.	6.6	336
20	Engineering Color-Stable Blue Light-Emitting Diodes with Lead Halide Perovskite Nanocrystals. ACS Applied Materials & Interfaces, 2019, 11, 21655-21660.	4.0	98
21	Colloidal CdSe Quantum Wells with Graded Shell Composition for Low-Threshold Amplified Spontaneous Emission and Highly Efficient Electroluminescence. ACS Nano, 2019, 13, 13899-13909.	7.3	64
22	Rationalizing and Controlling the Surface Structure and Electronic Passivation of Cesium Lead Halide Nanocrystals. ACS Energy Letters, 2019, 4, 63-74.	8.8	308
23	Colloidal CsPbX₃ (X = Cl, Br, I) Nanocrystals 2.0: Zwitterionic Capping Ligands for Improved Durability and Stability. ACS Energy Letters, 2018, 3, 641-646.	8.8	647
24	Exploration of Near-Infrared-Emissive Colloidal Multinary Lead Halide Perovskite Nanocrystals Using an Automated Microfluidic Platform. ACS Nano, 2018, 12, 5504-5517.	7.3	138
25	ZnO nested shell magic clusters as tetrapod nuclei. RSC Advances, 2017, 7, 21933-21942.	1.7	16
26	Single-pulse femtosecond laser fabrication of concave microlens- and micromirror arrays in chalcohalide glass. Optics and Laser Technology, 2017, 96, 283-289.	2.2	13
27	Non-dissipative internal optical filtering with solution-grown perovskite single crystals for full-colour imaging. NPG Asia Materials, 2017, 9, e431-e431.	3.8	44
28	Solution-Grown CsPbBr₃ Perovskite Single Crystals for Photon Detection. Chemistry of Materials, 2016, 28, 8470-8474.	3.2	294
29	Detection of gamma photons using solution-grown single crystals of hybrid lead halide perovskites. Nature Photonics, 2016, 10, 585-589.	15.6	437
30	Perovskite Quantum Dots and Super-Resolution Optical Microscopy. , 0, , .		0
31	Lattice Softening Effects in Perovskite Nanocrystals: a Strategy for Lifetime-Encoded Unicolour Security Tags. , 0, , .		0
32	Structural Diversity in Multicomponent Nanocrystal Superlattices Comprising Lead Halide Perovskite Nanocubes. , 0, , .		0