Lukas Strizik

List of Publications by Year
in descending order

24	267	933447 10	940533 16
papers	citations	h-index	g-index

24	24	24	470
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atomic Layer Deposition Al₂O₃ Coatings Significantly Improve Thermal, Chemical, and Mechanical Stability of Anodic TiO₂ Nanotube Layers. Langmuir, 2017, 33, 3208-3216.	3.5	44
2	Structural, optical and photoelectrochemical characterizations of monoclinic Ta₃N₅ thin films. Physical Chemistry Chemical Physics, 2015, 17, 23952-23962.	2.8	36
3	Mixed Organotin(IV) Chalcogenides: From Molecules to Snâ€Sâ€Se Semiconducting Thin Films Deposited by Spinâ€Coating. Chemistry - A European Journal, 2013, 19, 1877-1881.	3.3	25
4	Green, red and near-infrared photon up-conversion in Gaâ€“Geâ€“Sbâ€“S:Er3+ amorphous chalcogenides. Journal of Luminescence, 2014, 147, 209-215.	3.1	17
5	MoSe_xO_yâ€Coated 1D TiO₂ Nanotube Layers: Efficient Interface for Lightâ€Driven Applications. Advanced Materials Interfaces, 2018, 5, 1701146.	3.7	16
6	Penn gap rule in phase-change memory materials: No clear evidence for resonance bonds. APL Materials, 2015, 3, .	5.1	14
7	SnS and SnS₂thin films deposited using a spinâ€coating technique from intramolecularly coordinated organotin sulfides. Applied Organometallic Chemistry, 2015, 29, 176-180.	3.5	14
8	Antireflection In₂O₃coatings of self-organized TiO₂nanotube layers prepared by atomic layer deposition. Physica Status Solidi - Rapid Research Letters, 2015, 9, 516-520.	2.4	13
9	Large-area inverse opal structures in a bulk chalcogenide glass by spin-coating and thin-film transfer. Optical Materials, 2013, 36, 390-395.	3.6	10
10	Solution-processed Er3+-doped As3S7 chalcogenide films: optical properties and 1.5 Î¼m photoluminescence activated by thermal treatment. Journal of Materials Chemistry C, 2017, 5, 8489-8497.	5.5	10
11	Dynamics of upconversion photoluminescence in Geâ€“Gaâ€“S: Er³⁺: application of quadrature frequency resolved spectroscopy. Philosophical Magazine Letters, 2015, 95, 466-473.	1.2	8
12	Quadrature frequency resolved spectroscopy of upconversion photoluminescence in GeGaS:Er3+: I. Determination of energy transfer upconversion parameter. Journal of Materials Science: Materials in Electronics, 2017, 28, 7053-7063.	2.2	8
13	Titanocene(IV) and vanadocene(IV) complexes of dicyanomethanidobenzoate. Journal of Organometallic Chemistry, 2009, 694, 4250-4255.	1.8	7
14	Physico-chemical and optical properties of Er³⁺-doped and Er³⁺/Yb³⁺-co-doped Ge₂₅Ga_{9.5}Sb_{0.5}S₆₅ chalcogenide glass. Pure and Applied Chemistry, 2017, 89, 429-436.	1.9	7
15	Quadrature frequency resolved spectroscopy of upconversion photoluminescence in GeGaS:Er3+; II. elucidating excitation mechanisms of red emission besides green emission. Journal of Materials Science: Materials in Electronics, 2017, 28, 7077-7082.	2.2	6
16	In-situ study of athermal reversible photocrystallization in a chalcogenide glass. Journal of Applied Physics, 2017, 122, .	2.5	6
17	Deep red upconversion photoluminescence in Er³⁺â€doped Yb₃Ga₅O₁₂ nanocrystalline garnet. Journal of the American Ceramic Society, 2022, 105, 3391-3402.	3.8	5
18	Influence of thermal history on the photostructural changes in glassy As15S85 studied by Raman scattering and ab initio calculations. Journal of Applied Physics, 2013, 114, .	2.5	4

#	Article	IF	Citations
19	Physico-chemical properties of the thin films of the SbxSe100â^'x system (x = 90, 85, 80). Thin Solid Films, 2014, 569, 17-21.	1.8	4
20	Physico-chemical properties of Sb-rich (Sb, In)â€"Te thin films. Journal of Alloys and Compounds, 2014, 617, 306-309.	5.5	4
21	1.2ÂÂµm and 1.5ÂÂµm near-infrared photoluminescence and visible upconversion photoluminescence in GeGaS:Er3+/Ho3+ glasses under 980Ânm excitation. Journal of Materials Science: Materials in Electronics, 2018, 29, 17314-17322.	2.2	4
22	1.5 Î¼m photoluminescence and upconversion photoluminescence in GeGaAsS:Er chalcogenide glass. Pure and Applied Chemistry, 2019, 91, 1757-1767.	1.9	4
23	Photoluminescence in pulsed-laser deposited GeGaSbS:Er films. Optical Materials, 2018, 85, 246-253.	3.6	1
24	Up-Conversion in Er3+-Doped Ge25Ga5Sb5S65 Chalcogenide Glass for Enhancement of Silicon Solar Cell Efficiency. , 2012, , .		0