Shintaro Mizuno

List of Publications by Year
in descending order

13	142	1163117 8	1199594 12
papers	citations	h-index	g-index

13	13	13	123
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Broadband-sensitive Ni²⁺â€“Er³⁺ based upconverters for crystalline silicon solar cells. RSC Advances, 2016, 6, 55499-55506.	3.6	32
2	A broadband-sensitive upconverter La(Ga0.5Sc0.5)O3:Er,Ni,Nb for crystalline silicon solar cells. Applied Physics Letters, 2016, 108, .	3.3	24
3	Effect of A-site cations on the broadband-sensitive upconversion of AZrO 3 :Er 3+ ,Ni 2+ (AÂ=ÂCa, Sr, Ba) phosphors. Optical Materials, 2017, 64, 314-322.	3.6	18
4	Energy transfer between Ni2+ sensitizers and Er3+ emitters in broadband-sensitive upconverters La(Ga,Sc,In)O3:Er,Ni,Nb. Journal of Applied Physics, 2016, 120, .	2.5	14
5	CaTiO₃:Er³⁺,Ni²⁺broadbandâ€sensitive upconverter: An effective way to harvest unused NIR solar irradiation for crystalline silicon solar cells. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600899.	1.8	10
6	Broadband-sensitized upconversion of ATiO₃:Er,Ni (A = Mg, Ca, Sr, Ba). Journal of the Ceramic Society of Japan, 2017, 125, 821-828.	1.1	9
7	Broadband-sensitive cooperative upconversion emission of La(Ga_{0.5}Sc_{0.5})O₃:Er,Ni,Nb. Applied Physics Express, 2016, 9, 112402.	2.4	8
8	Effect of Ti compositions for efficiency enhancement of CaTiO₃:Er³⁺,Ni²⁺ broadband-sensitive upconverters. RSC Advances, 2017, 7, 41311-41320.	3.6	8
9	Broadband-sensitive upconversion emission of Er,Ni,Nb-codoped Gd₃Ga₅O₁₂garnet. Japanese Journal of Applied Physics, 2018, 57, 08RF02.	1.5	6
10	A broadbandâ€sensitive upconverter: Garnetâ€type Ca 3 Ga 2 Ge 3 O 12 codoped with Er 3+ , Y 3+ , Li + , Ni 2+ , and Nb 5+. Journal of the American Ceramic Society, 2019, 102, 3457-3467.	3.8	6
11	Competing effects of sensitization and energy dissipation by Ni2+ incorporation in La(Ga0.5Sc0.5)O3:Er,Ni,Nb upconverters. Journal of Luminescence, 2018, 194, 778-784.	3.1	5
12	Crystalline silicon photovoltaic cells used for power transmission from solar-pumped lasers: I. Light trapping concepts. Japanese Journal of Applied Physics, 2018, 57, 08RF05.	1.5	1
13	Super Broadband-Sensitive Upconversion in Tm and Ni Codoped Perovskites. International Journal of Photoenergy, 2019, 2019, 1-11.	2.5	1