

Shintaro Mizuno

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Super Broadband-Sensitive Upconversion in Tm and Ni Codoped Perovskites. International Journal of Photoenergy, 2019, 2019, 1-11.	2.5	1
2	A broadband-sensitive upconverter: Garnet-type $\text{Ca}_3\text{Ga}_2\text{Ge}_3\text{O}_{12}$ 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
3	Competing effects of sensitization and energy dissipation by Ni^{2+} incorporation in $\text{La}(\text{Ga}_{0.5}\text{Sc}_{0.5})\text{O}_3:\text{Er},\text{Ni},\text{Nb}$ upconverters. Journal of Luminescence, 2018, 194, 778-784.	3.1	5
4	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
5	Broadband-sensitive upconversion emission of $\text{Er},\text{Ni},\text{Nb}$ -codoped $\text{Gd}_3\text{Ga}_5\text{O}_{12}$ garnet. Japanese Journal of Applied Physics, 2018, 57, 08RF02.	1.5	6
6	$\text{CaTiO}_3:\text{Er}^{3+},\text{Ni}^{2+}$ broadband-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
7	Effect of A-site cations on the broadband-sensitive upconversion of $\text{AZrO}_3:\text{Er}^{3+},\text{Ni}^{2+}$ ($\text{A}=\text{Ca},\text{Sr},\text{Ba}$) phosphors. Optical Materials, 2017, 64, 314-322.	3.6	18
8	Effect of Ti compositions for efficiency enhancement of $\text{CaTiO}_3:\text{Er}^{3+},\text{Ni}^{2+}$ broadband-sensitive upconverters. RSC Advances, 2017, 7, 41311-41320.	3.6	8
9	Broadband-sensitized upconversion of $\text{ATiO}_3:\text{Er},\text{Ni}$ ($\text{A} = \text{Mg}, \text{Ca}, \text{Sr}, \text{Ba}$). Journal of the Ceramic Society of Japan, 2017, 125, 821-828.	1.1	9
10	Energy transfer between Ni^{2+} sensitizers and Er^{3+} emitters in broadband-sensitive upconverters $\text{La}(\text{Ga},\text{Sc},\text{In})\text{O}_3:\text{Er},\text{Ni},\text{Nb}$. Journal of Applied Physics, 2016, 120, .	2.5	14
11	Broadband-sensitive cooperative upconversion emission of $\text{La}(\text{Ga}_{0.5}\text{Sc}_{0.5})\text{O}_3:\text{Er},\text{Ni},\text{Nb}$. Applied Physics Express, 2016, 9, 112402.	2.4	8
12	A broadband-sensitive upconverter $\text{La}(\text{Ga}_{0.5}\text{Sc}_{0.5})\text{O}_3:\text{Er},\text{Ni},\text{Nb}$ for crystalline silicon solar cells. Applied Physics Letters, 2016, 108, .	3.3	24
13	Broadband-sensitive $\text{Ni}^{2+}-\text{Er}^{3+}$ based upconverters for crystalline silicon solar cells. RSC Advances, 2016, 6, 55499-55506.	3.6	32