СПИСОК
публикаций, в которых излагаются основные научные результаты диссертации
на соискание ученой степени доктора физико-математических наук
по научной специальности 1.3.6. Оптика
на тему: **Люминесцентная термометрия на основе неорганических, металлоорганических и органических соединений: принципы, подходы и приложения,**
опубликованных в рецензируемых изданиях

Колесников Илья Евгеньевич

Author ID (Scopus) – *55777088200*
Researcher ID (Web of Science) - *M-9875-2013*
SPIN (РИНЦ) *8136-2157*
ORCID - *0000-0002-5051-4064*

№ п/п	Название публикации на языке оригинала (при иноязычном названии – перевод на англ. / русс. яз.)	Тип публикации	DOI	Наименование издания	ISSN издания	Выходные данные публикации (Номер тома, Номер части тома, Номер журнала, Страницы размещения публикации в журнале, Год)	Интернет - адрес публикации в журнале	Библиографическая база данных (eLIBRARY, Web of Science, Scopus и др.), в которой индексируется публикация	№ публикации в списке литературы диссертации	№ страницы диссертации, на которой приводится ссылка на публикацию	Объем публикации (печ.л /авт.л, личн. вклад)*	Соавторы
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Concentration effect on structural and luminescent properties of $YVO_4:Nd^{3+}$ nanophosphors	статья	10.1016/j.materresbull.2015.06.023	Materials Research Bulletin	0025-5408	70, P. 799-803, 2015	https://www.sciencedirect.com/science/article/abs/pii/S0025540815003931	Web of Science, Scopus	145	60-66,86,100,104,115,116,118, 256	4/3	D.V. Tolstikova, A.V. Kurochkin, N.V. Platonova, S.A. Pulkin, A.A. Manshina, M.D. Mikhailov

2	Nd^{3+}-doped YVO_4 nanoparticles for luminescence nanothermometryin the first and second biological windows	статья	10.1016/j.snb.2016.05.095	Sensors and Actuators B: Chemical	0925-4005	235, P. 287–293, 2016	https://www.sciencedirect.com/science/article/abs/pii/S0925400516307808	Web of Science, Scopus	126	41,70,71,72,263,264	7/5	E.V. Golyeva, M.A. Kurochkin, E. Lähderanta, M.D. Mikhailov
3	Ratiometric thermal sensing based on Eu^{3+}-doped YVO_4 nanoparticles	статья	10.1007/s11051-016-3675-8	Journal of Nanoparticle Research	1572-896X	18, P. 354, 2016	https://link.springer.com/article/10.1007/s11051-016-3675-8	Web of Science, Scopus	136	125	9/8	E. V. Golyeva, E. Lähderanta, A. V. Kurochkin, M. D. Mikhailov
4	Nd^{3+} single doped YVO_4 nanoparticles for sub-tissue heating and thermal sensing in the second biological window	статья	10.1016/j.snb.2016.12.005	Sensors and Actuators B: Chemical	0925-4005	243, P. 338–345, 2017	https://www.sciencedirect.com/science/article/abs/pii/S0925400516319670	Web of Science, Scopus	313	180,248,255,275-280	8/7	E.V. Golyeva, A.A. Kalinichev, M.A. Kurochkin, E. Lähderanta, M.D. Mikhailov
5	New strategy for thermal sensitivity enhancement of Nd^{3+}-based ratiometric luminescence thermometers	статья	10.1016/j.jlumin.2017.06.024	Journal of Luminescence	0022-2313	192, P. 40–46, 2017	https://www.sciencedirect.com/science/article/abs/pii/S0022231317305331	Web of Science, Scopus	32	18,57,69,174,223,246-249	7/6	A.A. Kalinichev, M.A. Kurochkin, D.V. Mamonova, E.Yu. Kolesnikov, A.V. Kurochkin, E. Lähderanta, M.D. Mikhailov
6	YVO_4:Nd^{3+} nanophosphors as NIR-to-NIR thermal sensors in wide temperature range	статья	10.1038/s41598-017-18295-w	Scientific Reports	2045-2322	7, P. 18002, 2017	https://www.nature.com/articles/s41598-017-18295-w	Web of Science, Scopus	158	74,81,94,137,146,166	8/6	A. A. Kalinichev, M. A. Kurochkin, E. V. Golyeva, E. Yu. Kolesnikov, A. V. Kurochkin, E. Lähderanta, M. D. Mikhailov
7	Optical temperature sensing in	статья	10.1016/j.sna.2018.10.039	Sensors and Actuators A: Physical	0924-4247	284, P. 251–259, 2018	https://www.sciencedirect.com/science/article/abs/pii	Web of Science, Scopus	270	159,162,163,165-168,170,187	9/7	M.A. Kurochkin, A.A. Kalinichev, E.Yu. Kolesnikov, E.

	Tm^{3+}/Yb^{3+}-doped GeO_2–PbO–PbF_2 glass ceramics based on ratiometric and spectral line positionapproaches						/S0924424718312494					Lähderanta
8	Near-infrared emitting $YVO_4:Nd^{3+}$ nanoparticles for high sensitive fluorescence thermometry	статья	10.1016/j.jlumin.2017.11.024	Journal of Luminescence	0022-2313	195, P. 61–66, 2018	https://www.sciencedirect.com/science/article/abs/pii/S0022231317312516	Web of Science, Scopus	151	66-70,94,146	6/5	A.A. Kalinichev, M.A. Kurochkin, E.V. Golyeva, A.V. Kurochkin, E. Lähderanta, M.D. Mikhailov
9	$Y_2O_3:Nd^{3+}$ nanocrystals as ratiometric luminescence thermal sensors operating in the optical windows of biological tissues	статья	10.1016/j.jlumin.2018.08.050	Journal of Luminescence	0022-2313	204, P. 506–512, 2018	https://www.sciencedirect.com/science/article/abs/pii/S0022231318307889	Web of Science, Scopus	182	86,264,265	7/6	A.A. Kalinichev, M.A. Kurochkin, D.V. Mamonova, E.Yu. Kolesnikov, A.V. Kurochkin, E. Lähderanta, M.D. Mikhailov
10	Synthesis and characterization of $Y_2O_3:Nd^{3+}$ nanocrystalline powders and ceramics	статья	10.1016/j.optmat.2017.11.032	Optical Materials	0925-3467	75, P. 680–685, 2018	https://www.sciencedirect.com/science/article/abs/pii/S0925346717307310	Web of Science, Scopus	170	81-83,85	6/5	D.V. Mamonova, E. Lähderanta, E.Yu Kolesnikov, A.V. Kurochkin, M.D. Mikhailov
11	Effect of silica coating on luminescence and temperature sensing properties of Nd^{3+} doped nanoparticles	статья	10.1016/j.jallcom.2017.11.048	Journal of Alloys and Compounds	0925-8388	734, P. 136–143, 2018	https://www.sciencedirect.com/science/article/abs/pii/S0925838817337945	Web of Science, Scopus	391	252-260	8/6	M.A. Kurochkin, A.A. Kalinichev, D.V. Mamonova, E. Yu. Kolesnikov, A.V. Kurochkin, E. Lähderanta, M.D. Mikhailov
1	Yb^{3+}/Er^{3+}–cod	статья	10.1016/j.	Optical	0925-	90, P. 200–	https://www.scien	Web of Science,	249	152,153,155-	8/7	A.A. Kalinichev, M.A.

2	oped GeO_2–PbO–PbF_2 glass ceramics for ratiometric upconversion temperature sensing based on thermally and non-thermally coupled levels		optmat.2019.02.035	Materials	3467	207, 2019	cedirect.com/science/article/abs/pii/S0925346719301430	Scopus		157,159,273,274		Kurochkin, A.Y. Kolomytsev, R.S. Khasbieva, E. Yu Kolesnikov, E. Lähderanta
13	Fresh Look on the Nature of Dual-Band Emission of Octahedral Copper-Iodide Clusters – Promising Ratiometric Luminescent Thermometers	статья	10.1021/acs.jpcc.9b07603	Journal of Physical Chemistry C	1932-7455	123, P. 25863−25870, 2019	https://pubs.acs.org/doi/abs/10.1021/acs.jpcc.9b07603	Web of Science, Scopus	287	171,174,177,183	8/5	Aliia V. Shamsieva, Igor D. Strelnik, Tatiana P. Gerasimova, Alexey A. Kalinichev, Sergey A. Katsyuba, Elvira I. Musina, Erkki Lähderanta, Andrey A. Karasik, Oleg G. Sinyashin
14	Porphyrins as efficient ratiometric and lifetime-based contactless optical thermometers	статья	10.1016/j.matdes.2019.108188	Materials and Design	0264-1275	184, P. 108188, 2019	https://www.sciencedirect.com/science/article/pii/S0264127519306264	Web of Science, Scopus	316	183,185,187,189-191,194,199,250,	7/6	A.A. Kalinichev, M.A. Kurochkin, E. Yu Kolesnikov, E. Lähderanta
15	Bifunctional heater-thermometer Nd^{3+}-doped nanoparticles with multiple temperature sensing parameters	статья	10.1088/1361-6528/aafcb8	Nanotechnology	0957-4484	30, P. 145501, 2019	https://iopscience.iop.org/article/10.1088/1361-6528/aafcb8/meta	Web of Science, Scopus	181	86-88,93,95,98,124,141,146,180,280,281	11/10	A Kalinichev, M A Kurochkin, D V Mamonova, E Yu Kolesnikov, E Lähderanta, M D Mikhailov
16	Structural, luminescence and thermometric properties of nanocrystalline $YVO_4:Dy^{3+}$ temperature	статья	10.1038/s41598-019-38774-6	Scientific Reports	2045-2322	9, P.2043, 2019	https://www.nature.com/articles/s41598-019-38774-6	Web of Science, Scopus	186	98-111,114,118	14/12	A. A. Kalinichev, M. A. Kurochkin, E. V. Golyeva, A. S. Terentyeva, E. Yu. Kolesnikov, E. Lähderanta

	and concentration series											
17	Ratiometric Optical Thermometry Based on Emission and Excitation Spectra of $YVO_4:Eu^{3+}$ Nanophosphors	статья	10.1021/acs.jpcc.9b00284	Journal of Physical Chemistry C	1932-7455	123, P. 5136−5143, 2019	https://pubs.acs.org/doi/abs/10.1021/acs.jpcc.9b00284	Web of Science, Scopus	237	125,127,129,130,133,136,137,148,187,207,239	8/6	A. A. Kalinichev, M. A. Kurochkin, D. V. Mamonova, E. Yu. Kolesnikov, E. Lähderanta
18	Construction of efficient dual activating ratiometric $YVO_4:Nd^{3+}/Eu^{3+}$ nanothermometers using co-doped and mixed phosphors	статья	10.1039/c9nr08358h	Nanoscale	2040-3372	12, P. 5953, 2020	https://pubs.rsc.org/en/content/articlelanding/2020/nr/c9nr08358h/unauth	Web of Science, Scopus	352	206,229	8/7	Daria V. Mamonova, Alexey A. Kalinichev, Mikhail A. Kurochkin, Vasiliy A. Medvedev, Evgenii Yu. Kolesnikov, Erkki Lähderanta, Alina A. Manshina
19	Multimode high-sensitivity optical $YVO_4:Ln^{3+}$ nanothermometers (Ln^{3+} = Eu^{3+}, Dy^{3+}, Sm^{3+}) using charge transfer band features	статья	10.1039/d0cp04048g	Physical Chemistry Chemical Physics	1463-9084	22, P. 28183, 2020	https://pubs.rsc.org/en/content/articlelanding/2020/cp/d0cp04048g/unauth	Web of Science, Scopus	242	137-140,142-145	8/7	M. A. Kurochkin, E. V. Golyeva, D. V. Mamonova, A. A. Kalinichev, E. Yu. Kolesnikov, E. Lähderanta
20	Concentration series of Sm^{3+}-doped YVO_4 nanoparticles: Structural, luminescence and thermal properties	статья	10.1016/j.jlumin.2019.116946	Journal of Luminescence	0022-2313	219, P. 116946, 2020	https://www.sciencedirect.com/science/article/abs/pii/S0022231319318472	Web of Science, Scopus	219	114-124	9/7	Elena V. Golyeva, Mikhail A. Kurochkin, Evgenii Yu Kolesnikov, Erkki Lähderanta
21	Eu^{3+}-doped ratiometric optical	статья	10.1016/j.optmat.2020.11079	Optical Materials	0925-3467	112, P. 110797, 2021	https://www.sciencedirect.com/science/article/abs/pii	Web of Science, Scopus	411	282-287	5/4	Daria V. Mamonova, Mikhail A. Kurochkin, Evgenii Yu Kolesnikov,

	thermometers: Experiment and Judd-Ofelt modelling		7				/S0925346720311368					Erkki Lähderanta
22	Water-soluble multimode fluorescent thermometers based on porphyrins photosensitizers	статья	10.1016/j.matdes.2021.109613	Materials and Design	0264-1275	203, P. 109613, 2021	https://www.sciencedirect.com/science/article/pii/S0264127521001660	Web of Science, Scopus	338	185,194,197,201,203,250,266	10/9	Mikhail A. Kurochkin, Ivan N. Meshkov, Roman A. Akasov, Alexey A. Kalinichev, Evgenii Yu. Kolesnikov, Yulia G. Gorbunova, Erkki Lähderanta
23	Binuclear charged copper(I) complex as a multimode luminescence thermal sensor	статья	10.1016/j.sna.2021.112722	Sensors and Actuators A: Physical	0924-4247	325, P. 112722, 2021	https://www.sciencedirect.com/science/article/abs/pii/S0924424721001850	Web of Science, Scopus	303	177,178,180-182	6/4	Alexey A. Kalinichev, Aliia V. Shamsieva, Igor D. Strelnik, Elvira I. Musina, Erkki Lähderanta, Andrey A. Karasik, Oleg G. Sinyashin
24	Rare Earth Ion Based Luminescence Thermometry	глава в книге	10.1007/978-3-030-77646-6_5	Progress in Photon Science	2364-9003	125, P. 69-94, 2021	https://link.springer.com/chapter/10.1007/978-3-030-77646-6_5	Web of Science, Scopus	2	11	26/20	Alina Manshina
25	YVO_4 Nanoparticles Doped with Eu^{3+} and Nd^{3+} for Optical Nanothermometry	статья	10.1021/acsanm.1c02992	ACS Applied Nano Materials	2574-0970	4, P. 12481−12489, 2021	https://pubs.acs.org/doi/abs/10.1021/acsanm.1c02992	Web of Science, Scopus	353	206,208-210,216	9/7	Daria V. Mamonova, Mikhail A. Kurochkin, Evgenii Yu Kolesnikov, Erkki Lähderanta, Alina A. Manshina
26	Multimode luminescence thermometry based on emission and excitation spectra	статья	10.1016/j.jlumin.2020.117828	Journal of Luminescence	0022-2313	231, P. 117828, 2021	https://www.sciencedirect.com/science/article/abs/pii/S0022231320317956	Web of Science, Scopus	245	146,148,150,243	6/5	Daria V. Mamonova, Mikhail A. Kurochkin, Evgenii Yu. Kolesnikov, Erkki Lähderanta
27	Optical Thermometry by Monitoring Dual Emissions from YVO_4 and Eu^{3+} in YVO_4:Eu^{3+}	статья	10.1021/acsanm.0c03305	ACS Applied Nano Materials	2574-0970	4, P. 1959−1966, 2021	https://pubs.acs.org/doi/abs/10.1021/acsanm.0c03305	Web of Science, Scopus	382	236-238,241,242	8/7	Daria V. Mamonova, Mikhail A. Kurochkin, Evgenii Yu Kolesnikov, Erkki Lähderanta

	Nanoparticles											
28	Mixed-valent $MgAl_2O_4:Eu^{2+}/Eu^{3+}$ phosphor for ratiometric optical thermometry	статья	10.1016/j.physb.2021.413456	Physica B: Physics of Condensed Matter	0921-4526	624, P. 413456, 2022	https://www.sciencedirect.com/science/article/abs/pii/S0921452621006189	Web of Science, Scopus	373	229-231,233-235	6/5	Elena V. Afanaseva, Mikhail A. Kurochkin, Evgenii Yu Kolesnikov, Erkki Lähderanta
29	Dual-center co-doped and mixed ratiometric $LuVO_4:Nd^{3+}/Yb^{3+}$ nanothermometers	статья	10.1088/1361-6528/ac49c3	Nanotechnology	1361-6528	33, P. 165504, 2022	https://iopscience.iop.org/article/10.1088/1361-6528/ac49c3/meta	Web of Science, Scopus	360	217-220,222,224,226,228	10/9	Elena V Afanaseva, Mikhail A Kurochkin, Elena I Vaishlia, Evgenii Yu Kolesnikov, Erkki Lähderanta

Подтверждаю, что все основные научные результаты моей диссертации «Люминесцентная термометрия на основе неорганических, металлоорганических и органических соединений: принципы, подходы и приложения» опубликованы в вышеприведенных 29 публикациях, индексируемых в наукометрических базах данных Web of Science и Scopus.

Вышеуказанные публикации прилагаются на электронном носителе.

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