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List of Publications by Year in descending order

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docs citations

32
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#	ARTICLE	IF	CITATIONS
1	Triboluminescence of crystals and suspensions of inorganic salts of lanthanides. Protection of Metals and Physical Chemistry of Surfaces, 2011, 47, 13-19.	1.1	25
2	Sonoluminescence of aqueous solutions of lanthanide salts. Russian Chemical Bulletin, 2003, 52, 1969-1973.	1.5	23
3	Detection of OH radical and O atom during triboluminescence of hydrated cerium/terbium sulfates. Journal of Luminescence, 2012, 132, 175-177.	3.1	19
4	Sonochemiluminescence in an aqueous solution of Ru(bpy) ₃ Cl ₂ . Ultrasonics Sonochemistry, 2018, 42, 526-531.	8.2	19
5	Sonotriboluminescence in suspensions of trivalent terbium compounds. Technical Physics Letters, 2009, 35, 452-455.	0.7	15
6	Mechanoluminescence of terbium and cerium sulfates in a noble-gas atmosphere. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2014, 116, 691-694.	0.6	14
7	Spectroscopic measurement of electronic temperature in the bubbles during single- and multibubble sonoluminescence of metal carbonyl solutions and nanodispersed suspensions. Ultrasonics Sonochemistry, 2019, 51, 178-181.	8.2	14
8	Luminescence of OD radical as an evidence for water decomposition under destruction of the deuterated terbium sulfate crystal hydrate. Journal of Luminescence, 2014, 148, 79-81.	3.1	13
9	Sonochemiluminescence of aromatic hydrocarbons. Russian Chemical Bulletin, 2010, 59, 1680-1685.	1.5	11
10	Sonochemiluminescence of Ru(bpy) ₃ ³⁺ in aqueous solutions. Evidence of the formation of hydrated electrons during the single-bubble sonolysis in a neutral aqueous medium. Ultrasonics Sonochemistry, 2019, 58, 104674.	8.2	11
11	Porous SiO ₂ nanoparticles containing ruthenium or sulfur compounds: Sonochemical producing and sonoluminescence in aqueous suspensions. Ultrasonics Sonochemistry, 2020, 61, 104842.	8.2	10
12	Sonoluminescence of aqueous solutions of sulfuric acid and sulfur dioxide. Russian Chemical Bulletin, 2003, 52, 1966-1968.	1.5	9
13	Mechanism of the Ru(bpy) ₃ ²⁺ single-bubble sonochemiluminescence in neutral and alkaline aqueous solutions. Journal of Luminescence, 2019, 208, 99-103.	3.1	9
14	Confirmation of hydrated electrons formation during the moving single-bubble sonolysis: Activation of Tb ³⁺ ion sonoluminescence by eq ⁻ acceptors in an aqueous solution. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 402, 112800.	3.9	9
15	Effect of argon on the multibubble sonoluminescence of cerium, terbium, and dysprosium trichlorides. Russian Chemical Bulletin, 2008, 57, 1831-1836.	1.5	6
16	Sonoluminescence in the solutions of organic aromatic phosphors. Journal of Luminescence, 2019, 215, 116684.	3.1	6
17	New sonochemiluminescence involving solvated electron in Ce(III)/Ce(IV) solutions. Ultrasonics Sonochemistry, 2021, 70, 105313.	8.2	6
18	Mechanism of multibubble sonochemiluminescence of Ru(bpy) ₃ ²⁺ in neutral aqueous solutions. Ultrasonics Sonochemistry, 2019, 51, 395-398.	8.2	5

#	ARTICLE	IF	CITATIONS
19	Sonoluminescence of terbium chloride in an H ₂ O-D ₂ O mixture. Russian Chemical Bulletin, 2006, 55, 1114-1118.	1.5	4
20	Multibubble sonoluminescence of europium(III) chloride in heavy water. Russian Chemical Bulletin, 2008, 57, 1827-1830.	1.5	4
21	Luminescence of sodium atoms in aqueous solution during sonolysis in moving-single-bubble regime. Technical Physics Letters, 2012, 38, 74-76.	0.7	4
22	Few-bubble luminescence in the acoustic field of a spherical resonator in aqueous solutions of sodium and terbium compounds. Acoustical Physics, 2013, 59, 521-527.	1.0	4
23	Visualization of Luminescence of Two Types in an Acoustic Field in a Liquid. Technical Physics Letters, 2019, 45, 1175-1177.	0.7	4
24	Single-Bubble Sonoluminescence of Colloidal Suspensions as a New Technique for Sonoluminescent Spectroscopic Analysis. Applied Spectroscopy, 2022, 76, 1375-1380.	2.2	4
25	Activation of Ru(bpy) ₃ ²⁺ multibubble sonochemiluminescence in alkaline aqueous solutions by a hydrated electron. Ultrasonics Sonochemistry, 2019, 53, 55-58.	8.2	3
26	On the emitters of sulfuric acid sonoluminescence. Russian Chemical Bulletin, 2005, 54, 1793-1797.	1.5	2
27	Sonoluminescence and sonochemiluminescence of peroxide solutions. Russian Chemical Bulletin, 2016, 65, 167-172.	1.5	2
28	Sonoluminescence of aqueous solution of gadolinium chloride. Russian Chemical Bulletin, 2005, 54, 1383-1386.	1.5	1
29	Sonoluminescence of Suspensions of Insoluble Chromium Carbonyl Nanoparticles in Water and Inorganic Acids. Technical Physics Letters, 2018, 44, 1072-1073.	0.7	1
30	Electron-Stimulated Luminescence of $\text{Ru}(\text{bpy})_3^{2+}$ in the Sonolysis of Solutions of $\text{Ru}(\text{bpy})_3^{2+}$ and $\text{Ru}(\text{bpy})_3^{3+}$. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 569-571.	0.6	1
31	Multibubble sonolysis and sonoluminescence in molten elementary sulfur and sulfur-styrene mixture. Russian Chemical Bulletin, 2010, 59, 917-921.	1.5	0
32	Multibubble sonoluminescence of Tb ³⁺ ion in aqueous solutions of dimethyl sulfoxide. Russian Chemical Bulletin, 2012, 61, 528-531.	1.5	0