

Yasuhiro Yamada

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Novel LIESST Iron(II) Complex Exhibiting a High Relaxation Temperature. <i>Inorganic Chemistry</i> , 2001, 40, 3240-3242.	4.0	121
2	Magnetic properties of Fe and Co codoped SnO ₂ prepared by sol-gel method. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	72
3	Copper oxide particles produced by laser ablation in water. <i>Applied Surface Science</i> , 2008, 254, 6976-6982.	6.1	62
4	Mössbauer studies on laser evaporated iron atoms and their reactions with oxygen in argon matrices. <i>Applied Radiation and Isotopes</i> , 2000, 52, 157-164.	1.5	34
5	Synthesis of superparamagnetic γ -FeOOH nanoparticles by a chemical method. <i>Applied Surface Science</i> , 2016, 387, 996-1001.	6.1	22
6	Magnetic and electronic properties of Fe and Ni codoped SnO ₂ . <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	21
7	Mössbauer study of films produced by laser deposition of iron oxides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 272, 631-638.	1.5	20
8	Fabrication and magnetic properties of Fe and Co co-doped ZrO ₂ . <i>AIP Advances</i> , 2011, 1, .	1.3	20
9	Remarkable improvement of the signal-to-noise ratio of ⁵⁷ Mn/ ⁵⁷ Fe in-beam Mössbauer spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 455-459.	1.4	19
10	Development and application of parallel-plate avalanche counter for in-beam Mössbauer spectroscopy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003, 255, 519-522.	1.5	18
11	Iron carbide films produced by laser deposition. <i>Journal of Physics: Conference Series</i> , 2010, 217, 012096.	0.4	18
12	Mössbauer study of Fe/S and Fe/O films produced by laser ablation of pyrite and hematite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2006, 268, 283-288.	1.5	17
13	⁵⁷ Fe Mössbauer study of sol-gel synthesized Sn _{1-x} Fe _x Sb _y O ₂ powders. <i>Hyperfine Interactions</i> , 2009, 191, 25-32.	0.5	17
14	Mössbauer study of the reaction of laser-evaporated iron atoms with nitrogen molecules in low-temperature argon matrices. <i>Applied Radiation and Isotopes</i> , 2001, 54, 21-27.	1.5	15
15	Mössbauer study of iron nitride films produced by pulsed laser deposition. <i>Hyperfine Interactions</i> , 2012, 205, 13-16.	0.5	15
16	Mössbauer study of iron carbide nanoparticles produced by sonochemical synthesis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 1503-1506.	1.5	14
17	Valence states of ⁵⁷ Fe decayed from ⁵⁷ Mn implanted into KMnO ₄ . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003, 255, 403-406.	1.5	13
18	Reactions of ⁵⁷ Mn implanted into solid oxygen. <i>Hyperfine Interactions</i> , 2006, 166, 357-361.	0.5	13

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19	Detection of spinel<math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Zn</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>formed as nanostructures in ZnO. Physical Review B, 2014, 89, 115407.	3.2	13
20	Photochemistry of cyclopentadiene isolated in low-temperature argon matrices. Journal of Molecular Structure, 2004, 692, 145-153.	3.6	12
21	Spin Orientation of Iron Films Produced by Laser Deposition. Chemistry Letters, 2007, 36, 294-295.	1.3	12
22	Bismuth carbide cluster ions produced by a gas aggregation source. International Journal of Mass Spectrometry, 2009, 282, 123-127.	1.5	12
23	Anticoincidence measurement of ^{57}Fe Mössbauer spectra obtained after ^{57}Mn implantation: application to Fe in Al_2O_3 . Hyperfine Interactions, 2010, 198, 173-178.	0.5	12
24	Magnetic and Mössbauer studies of Fe and Co co-doped SnO_2 . Hyperfine Interactions, 2012, 205, 105-109.	0.5	12
25	In-beam Mössbauer spectra of ^{57}Mn implanted into low-temperature solid Ar. Chemical Physics Letters, 2013, 567, 14-17.	2.6	12
26	Mössbauer and Infrared Studies of Reactions of Laser-Evaporated Iron Atoms with Methane. Bulletin of the Chemical Society of Japan, 2002, 75, 277-281.	3.2	11
27	Dilute magnetic properties of Fe doped Al_2O_3 powders prepared by sol-gel method. Hyperfine Interactions, 2012, 208, 65-69.	0.5	11
28	In-beam Mössbauer study of ^{57}Mn implanted into a low-temperature xenon. Hyperfine Interactions, 2014, 226, 35-40.	0.5	11
29	Iron (III) sulfide particles produced by a polyol method. Hyperfine Interactions, 2015, 231, 115-121.	0.5	11
30	Photochemical reaction of sulfur hexafluoride with water in low-temperature xenon matrices. Journal of Chemical Physics, 2011, 134, 104302.	3.0	10
31	Mössbauer study of gamma-iron nitride film. Hyperfine Interactions, 2013, 219, 13-17.	0.5	10
32	Mössbauer study of iron carbide nanoparticles produced by laser ablation in alcohols. Hyperfine Interactions, 2016, 237, 1.	0.5	10
33	Laser deposition of iron on graphite substrates. Hyperfine Interactions, 2010, 198, 55-59.	0.5	9
34	In-beam Mössbauer spectroscopy of ^{57}Mn implanted into lithium hydride. Hyperfine Interactions, 2012, 204, 125-128.	0.5	8
35	Metastable iron carbide thin films produced by pulsed laser deposition of iron in methane atmosphere. Hyperfine Interactions, 2019, 240, 1.	0.5	8
36	Mössbauer Study of Matrix Isolated Iron Fluorides Produced by a Reaction of Laser-Evaporated Iron Atom and Sulfur Hexafluoride. Chemistry Letters, 2000, 29, 746-747.	1.3	7

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37	Gas phase antimony/tungsten/oxygen cluster cations. International Journal of Mass Spectrometry, 2005, 242, 57-62.	1.5	7
38	Mössbauer spectroscopic study of ^{57}Fe species produced by $^{56}\text{Fe}(n, \beta^+)^{57}\text{Fe}$ reaction in iron disulfide. Journal of Radioanalytical and Nuclear Chemistry, 2007, 272, 623-626.	1.5	7
39	Iron films produced by an arc plasma gun. Hyperfine Interactions, 2009, 191, 121-127.	0.5	7
40	One-pot production of copper ferrite nanoparticles using a chemical method. Hyperfine Interactions, 2016, 237, 1.	0.5	7
41	In-beam Mössbauer spectroscopy of $^{57}\text{Fe}/^{57}\text{Mn}$ in MgO and NaF at Heavy-Ion Medical Accelerator in Chiba. Review of Scientific Instruments, 2014, 85, 02C310.	1.3	6
42	Effect of laser irradiation on iron carbide nanoparticles produced by laser ablation in ethanol. Hyperfine Interactions, 2017, 238, 1.	0.5	6
43	Wet chemical synthesis of zinc-iron oxide nanocomposite. Hyperfine Interactions, 2017, 238, 1.	0.5	6
44	Mössbauer Study of Iron Iodide Produced by a Reaction of Laser-Evaporated Iron Atoms and Methyl Iodide. Journal of Nuclear and Radiochemical Sciences, 2000, 1, 75-76.	0.7	5
45	CEMS study of stainless steel films deposited by pulsed laser ablation of AISI316. European Physical Journal D, 2005, 55, 845-852.	0.4	5
46	Local structures at In impurity sites in ZnO probed by the TDPAC technique. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1201-1204.	1.5	5
47	Gas-phase structures of binary cluster ions of 1,4-dioxane and water. International Journal of Mass Spectrometry, 2004, 231, 77-81.	1.5	4
48	Structure of tris(cyclopentadienyl)scandium isolated in solid argon matrices. Journal of Molecular Structure, 2005, 734, 115-121.	3.6	4
49	Neutron In-beam Mössbauer Spectroscopy with a Parallel Plate Avalanche Counter. AIP Conference Proceedings, 2005, , .	0.4	4
50	Mössbauer Investigation into the Reactions of Laser-evaporated Iron with Solid Oxygen at Low Temperatures. Journal of Nuclear and Radiochemical Sciences, 2006, 7, 17-20.	0.7	4
51	Neutron in-beam Mössbauer spectroscopic study of iron disulfide at room temperature. Hyperfine Interactions, 2006, 166, 425-428.	0.5	4
52	Liquid phase synthesis of iron sulfide particles. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1473-1476.	1.5	4
53	Iron oxide and iron carbide particles produced by the polyol method. Hyperfine Interactions, 2016, 237, 1.	0.5	4
54	Mixture of silver and iron oxide nanoparticles produced by chemical methods. Hyperfine Interactions, 2017, 238, 1.	0.5	4

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55	Synthesis of Cu-doped $\hat{\Gamma}$ -FeOOH nanoparticles by a wet chemical method. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	4
56	Iron-based Nanoparticles and Their Mössbauer Spectra. Radioisotopes, 2019, 68, 125-143.	0.2	4
57	CEMS Study on Fe Films Deposited by Laser Ablation. Hyperfine Interactions, 2004, 156/157, 637-641.	0.5	3
58	Neutron in-beam Mössbauer spectroscopy of iron disulfide at 298 and 78 K. Hyperfine Interactions, 2008, 187, 49-55.	0.5	3
59	Local structure of $^{57}\text{Mn}/^{57}\text{Fe}$ implanted into lithium hydride. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1155-1158.	1.5	3
60	Infrared spectroscopic and density functional theoretical study of tris(cyclopentadienyl)ytterbium (YbCp_3) and acetone adduct molecules of YbCp_3 in low-temperature matrices. Journal of Molecular Spectroscopy, 2015, 314, 26-34.	1.2	3
61	Study on chemical reactions of isolated Mössbauer probes in solid gas matrices using in-beam Mössbauer spectroscopy. Hyperfine Interactions, 2016, 237, 1.	0.5	3
62	The acetylacetonate-water complex in a low-temperature solid argon matrix. Journal of Molecular Spectroscopy, 2017, 333, 27-35.	1.2	3
63	Mössbauer spectra of iron (III) sulfide particles. Hyperfine Interactions, 2017, 238, 1.	0.5	3
64	Chemical reactions of localized Fe atoms in ethylene and acetylene matrices at low temperatures using in-beam Mössbauer spectroscopy. Hyperfine Interactions, 2018, 239, 1.	0.5	3
65	Iron Halide Species Produced by Laser-Evaporation. Hyperfine Interactions, 2002, 139/140, 77-85.	0.5	2
66	Mössbauer Study of Iron Films Produced by Laser Ablation. AIP Conference Proceedings, 2005, , .	0.4	2
67	Reaction and deposition of laser-evaporated iron. Hyperfine Interactions, 2008, 182, 65-75.	0.5	2
68	Orientation of hyperfine magnetic fields of $\hat{\Gamma}$ -iron films produced by laser deposition. Hyperfine Interactions, 2012, 205, 23-26.	0.5	2
69	Mössbauer and x-ray absorption studies in Fe and V co-doped SnO_2 . Hyperfine Interactions, 2013, 217, 99-105.	0.5	2
70	Iron films deposited on porous alumina substrates. Hyperfine Interactions, 2016, 237, 1.	0.5	2
71	In-beam Mössbauer spectra of ^{57}Mn implanted into ice. Hyperfine Interactions, 2018, 239, 1.	0.5	2
72	Manganese-doped ferroxhyte nano-urchins produced by chemical methods. Hyperfine Interactions, 2018, 239, 1.	0.5	2

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73	Mössbauer study of iron oxide nanoparticles produced by laser ablation of metallic iron in water and effects of subsequent laser irradiation. <i>Journal of Nuclear and Radiochemical Sciences</i> , 2019, 19, 14-19.	0.7	2
74	In-beam Mössbauer study of ⁵⁷ Fe using a secondary ⁵⁷ Mn beam and ion implantation. <i>European Physical Journal A</i> , 2002, 13, 243-246.	2.5	1
75	Sol-gel synthesized powder and pulsed laser deposited film of amorphous indium zinc oxides doped with Fe. <i>Hyperfine Interactions</i> , 2008, 184, 123-128.	0.5	1
76	Time-resolved Mössbauer spectra obtained after ⁵⁷ Mn implantation in Si. <i>Hyperfine Interactions</i> , 2014, 226, 679-685.	0.5	1
77	Chemical states of localized Fe atoms in ethylene matrices using in-beam Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.5	1
78	Mössbauer spectra obtained using ¹² â ³ coincidence method after ⁵⁷ Mn implantation into LiH and LiD. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.5	1
79	Thermal reaction of sonochemically prepared amorphous Fe/C. <i>Hyperfine Interactions</i> , 2017, 238, 1.	0.5	1
80	Matrix isolation infrared spectroscopic study of the photochemistry of bis(cyclopentadienyl)dicarbonyl titanium in solid nitrogen. <i>Journal of Molecular Structure</i> , 2020, 1202, 127357.	3.6	1
81	Iron nitride films produced by arc deposition of iron in a nitrogen atmosphere. <i>Hyperfine Interactions</i> , 2020, 241, 1.	0.5	1
82	In-beam Mössbauer spectra of ⁵⁷ Mn implanted into lithium aluminum hydride. <i>Applied Radiation and Isotopes</i> , 2021, 170, 109582.	1.5	1
83	Mössbauer study of iron fluoride films produced by pulsed laser deposition. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 1477-1480.	1.5	0
84	In-beam Mössbauer spectra for ⁵⁷ Mn implanted sulfur hexafluoride. <i>Hyperfine Interactions</i> , 2020, 241, 1.	0.5	0
85	Reaction and deposition of laser-evaporated iron. , 2008, , 65-75.		0
86	Mössbauer Spectra of Isolated Molecules and Thin Films. <i>Radioisotopes</i> , 2013, 62, 235-250.	0.2	0
87	Orientation of hyperfine magnetic fields of ⁵⁷ Fe-iron films produced by laser deposition. , 2013, , 171-174.		0
88	Mössbauer study of iron nitride films produced by pulsed laser deposition. , 2013, , 161-164.		0
89	Chemical species of localized Fe atoms in solid hydrogen using in-beam Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2022, 243, 1.	0.5	0