Masanori Yamada

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78 papers	1,919 citations	24 h-index	42 g-index
81 ext. papers	2,023 ext. citations	4.9 avg, IF	4.7 L-index

#	Paper	IF	Citations
78	Preparation of Gellan Gum-Inorganic Composite Film and Its Metal Ion Accumulation Property. *Journal of Composites Science*, **2022**, 6, 42	3	0
77	Preparation of bioplastic consisting of salmon milt DNA.. *Scientific Reports*, **2022**, 12, 7423	4.9	1
76	Anhydrous proton-conducting material consisting of basic protein protamine. *Journal of Electroanalytical Chemistry*, **2021**, 897, 115586	4.1	0
75	Preparation of bioplastic using soy protein. *International Journal of Biological Macromolecules*, **2020**, 149, 1077-1083	7.9	20
74	A grafting through strategy for constructing Janus cotton fabric by mist polymerization. *Journal of Materials Chemistry A*, **2020**, 8, 24553-24562	13	12
73	Synthesis of self-assembled nucleobases and their anhydrous proton conductivity.. *RSC Advances*, **2019**, 9, 36416-36423	3.7	1
72	Formaldehyde interacts with RNA rather than DNA: Accumulation of formaldehyde by the RNA-inorganic hybrid material. *International Journal of Biological Macromolecules*, **2019**, 122, 168-173	7.9	5
71	Chiral Recognition by DNA-Immobilized TLC Plate. *Separations*, **2018**, 5, 3	3.1	1
70	Preparation of water-insoluble and biochemically stable RNA hybrid material. *Polymers for Advanced Technologies*, **2018**, 29, 2890-2898	3.2	3
69	Utilization of milk protein as an environmental material: accumulation of metal ions using a protein–inorganic hybrid material. *Polymer Journal*, **2016**, 48, 295-300	2.7	4
68	Preparation of DNA-immobilized magnetic particles and their utilization as an accumulative material of metal ions. *Journal of Materials Research*, **2016**, 31, 360-369	2.5	3
67	Preparation of pectin-inorganic composite material as accumulative material of metal ions. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	11
66	Anhydrous proton conductor consisting of pectin–inorganic composite material. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	5
65	Polypeptide for anhydrous proton conductor. *Electrochimica Acta*, **2014**, 144, 168-173	6.7	7
64	Selective accumulation of rare earth metal and heavy metal ions by a DNA-inorganic hybrid material. *Polymer Journal*, **2014**, 46, 366-371	2.7	10
63	Double-stranded DNA stereoselectively promotes aggregation of amyloid-like fibrils and generates peptide/DNA matrices. *Biopolymers*, **2014**, 102, 465-72	2.2	4
62	Immobilization of double-stranded DNA onto glass beads by psolaren. *International Journal of Biological Macromolecules*, **2013**, 60, 39-44	7.9	

61	Preparation of DNA–cyclodextrin–silica composite by sol–gel method and its utilization as an environmental material. *Materials Chemistry and Physics*, **2012**, 133, 278-283	4.4	4
60	Proton conduction of DNA–imidazole composite material under anhydrous condition. *Polymer Journal*, **2012**, 44, 415-420	2.7	14
59	Preparation of DNA-polyintercalator conjugate and its functional property. *International Journal of Biological Macromolecules*, **2012**, 51, 215-20	7.9	1
58	Synthesis of DNA intercalator–immobilized cyclodextrin and interaction with double-stranded DNA: Utilization of DNA–cyclodextrin conjugated material as an environmental remediation material. *Polymer Chemistry*, **2012**, 3, 1291	4.9	3
57	DNA–cyclodextrin–inorganic hybrid material for absorbent of various harmful compounds. *Materials Chemistry and Physics*, **2011**, 126, 278-283	4.4	6
56	Composite material of DNA and cyclodextrin-immobilized poly(ethyleneimine): Accumulation of harmful compounds from multi-component solution. *International Journal of Biological Macromolecules*, **2010**, 47, 201-6	7.9	1
55	Efficacy of dibenzoylmethane derivatives in protecting against endoplasmic reticulum stress and inhibiting nuclear factor kappa B on dextran sulfate sodium induced colitis in mice. *Biological and Pharmaceutical Bulletin*, **2010**, 33, 2029-32	2.3	5
54	Accumulation of harmful compounds by the composite of DNA and cyclodextrin: Effect on intramolecular cavity of cyclodextrin. *Materials Chemistry and Physics*, **2010**, 124, 623-627	4.4	2
53	Heteropolyacid-conjugated chitosan matrix for triphase catalyst. *Polymer*, **2009**, 50, 6076-6082	3.9	15
52	Selective accumulation of harmful compounds by the DNA-inorganic hybrid-immobilized glass bead. *Analytica Chimica Acta*, **2009**, 647, 249-54	6.6	12
51	Nuclear Factor .KAPPA.B Inhibition by Dibenzoylmethane Derivatives. *Journal of Health Science*, **2009**, 55, 311-313		7
50	Molecular Structure of Chlorocycloheptane in Inclusion Compound with 9,9?-Bianthryl and Gelation during Crystallization. *Bulletin of the Chemical Society of Japan*, **2009**, 82, 182-186	5.1	5
49	Enzymatic collapse of artificial polymer composite material containing double-stranded DNA. *International Journal of Biological Macromolecules*, **2008**, 42, 478-82	7.9	4
48	DNA-cyclodextrin composite material for environmental applications. *Biomacromolecules*, **2008**, 9, 3341-5	5.9	18
47	DNA–inorganic hybrid material as selective absorbent for harmful compounds. *Polymer*, **2008**, 49, 4658-4665	3.9	28
46	Utilization of DNA-metal Ion Biomatrix as a Relative Humidity Sensor. *Polymer Journal*, **2008**, 40, 327-331	2.7	6
45	Bio-Inspired Membranes for Advanced Polymer Electrolyte Fuel Cells. Anhydrous Proton-Conducting Membrane via Molecular Self-Assembly. *Bulletin of the Chemical Society of Japan*, **2007**, 80, 2110-2123	5.1	45
44	Biomembranes for fuel cell electrolytes employing anhydrous proton conducting uracil composites. *Biosensors and Bioelectronics*, **2006**, 21, 2064-9	11.8	18

43	Laminin peptide-conjugated chitosan membrane: Application for keratinocyte delivery in wounded skin. *Journal of Biomedical Materials Research - Part A*, **2006**, 79, 716-22	5.4	41
42	Functional Materials Derived from DNA **2006**, 149-178		6
41	Biomembranes for fuel cell electrolytes employing anhydrous proton-conducting uracil composites. *Fuel Cells Bulletin*, **2006**, 2006, 11-15	1.6	5
40	One-dimensional proton conductor under high vapor pressure condition employing titanate nanotube. *Electrochemistry Communications*, **2006**, 8, 1549-1552	5.1	25
39	Heteropolyacid-encapsulated self-assembled materials for anhydrous proton-conducting electrolytes. *Journal of Physical Chemistry B*, **2006**, 110, 20486-90	3.4	65
38	A self-ordered, crystalline glass, mesoporous nanocomposite with high proton conductivity of 2 x 10(-2) S cm-1 at intermediate temperature. *Journal of the American Chemical Society*, **2005**, 127, 13092-3	16.4	65
37	Anhydrous proton conducting polymer electrolytes based on poly(vinylphosphonic acid)-heterocycle composite material. *Polymer*, **2005**, 46, 2986-2992	3.9	154
36	Proton conductivity of zwitterionic-type molecular solids under intermediate temperature and anhydrous conditions. *Chemical Physics Letters*, **2005**, 402, 324-328	2.5	12
35	Anhydrous proton conductive membrane consisting of chitosan. *Electrochimica Acta*, **2005**, 50, 2837-2846	3.7	93
34	Preparation of novel bio-matrix by the complexation of DNA and metal ions. *Polymer*, **2005**, 46, 10102-10112	3.9	37
33	A biopolymer composite material as an anhydrous proton-conducting membrane. *Angewandte Chemie - International Edition*, **2004**, 43, 3688-91	16.4	78
32	A Biopolymer Composite Material as an Anhydrous Proton-Conducting Membrane. *Angewandte Chemie*, **2004**, 116, 3774-3777	3.6	7
31	An anhydrous proton conductor based on lactam-lactim tautomerism of uracil. *ChemPhysChem*, **2004**, 5, 724-8	3.2	33
30	Alginic acid□midazole composite material as anhydrous proton conducting membrane. *Polymer*, **2004**, 45, 8349-8354	3.9	60
29	Anhydrous Protonic Conductivity of a Self-Assembled Acid□Base Composite Material. *Journal of Physical Chemistry B*, **2004**, 108, 5522-5526	3.4	91
28	Accumulation-Exclusion Combined System for the DNA-Binding Harmful Chemicals with Insolubilized DNA. *Polymer Journal*, **2003**, 35, 872-878	2.7	5
27	Control of calcium carbonate polymorphism and morphology through biomimetic mineralization by means of nanotechnology. *Chemistry - A European Journal*, **2003**, 9, 3235-41	4.8	17
26	DNA with gamma-aminopropyltriethoxysilane switches between B- and C-form structures under thermal control. *ChemBioChem*, **2003**, 4, 232-4	3.8	3

25	Proton conducting acidBase mixed materials under water-free condition. *Electrochimica Acta*, **2003**, 48, 2411-2415	6.7	77
24	DNA aqueous solution used for dialytical removal and enrichment of dioxin derivatives. *International Journal of Biological Macromolecules*, **2003**, 32, 121-7	7.9	18
23	Syndecan binding sites in the laminin alpha1 chain G domain. *Biochemistry*, **2003**, 42, 12625-33	3.2	58
22	Laminin-1 peptide-conjugated chitosan membranes as a novel approach for cell engineering. *FASEB Journal*, **2003**, 17, 875-7	0.9	86
21	Preparation and characterization of DNA films induced by UV irradiation. *Chemistry - A European Journal*, **2002**, 8, 1407-12	4.8	83
20	Preparing Chitosan-Poly(acrylic Acid) Composite Fibers by Self-Assembly at an Aqueous Solution Interface. *Textile Reseach Journal*, **2002**, 72, 120-124	1.7	12
19	UV-Irradiated DNA Matrix Selectively Accumulates Heavy Metal Ions. *Bulletin of the Chemical Society of Japan*, **2002**, 75, 1627-1632	5.1	31
18	Effect of Nucleoplasmin on a Nucleosome Structure. *Polymer Journal*, **2002**, 34, 184-193	2.7	1
17	UV-irradiated DNA matrixes selectively bind endocrine disruptors with a planar structure. *Environmental Science & Technology*, **2002**, 36, 949-54	10.3	83
16	Identification of neurite outgrowth promoting sites on the laminin alpha 3 chain G domain. *Biochemistry*, **2002**, 41, 10747-53	3.2	52
15	Ile-Lys-Val-Ala-Val (IKVAV)-containing laminin alpha1 chain peptides form amyloid-like fibrils. *FEBS Letters*, **2002**, 530, 48-52	3.8	49
14	UV-irradiation-induced DNA immobilization and functional utilization of DNA on nonwoven cellulose fabric. *Biomaterials*, **2001**, 22, 3121-6	15.6	58
13	Polyion Complex Fiber and Capsule Formed by Self-Assembly of Chitosan and Poly(L-glutamic acid) at Solution Interfaces. *Macromolecular Materials and Engineering*, **2001**, 286, 168-175	3.9	27
12	Adsorption of Endocrine Disruptors and Related Compounds Using Natural Polymer Composite Fibers Formed by Polyion Complexes. *Macromolecular Materials and Engineering*, **2001**, 286, 733	3.9	3
11	Characterization and formation mechanism of water-insoluble DNA-matrix induced by UV irradiation. *Nucleic Acids Symposium Series*, **2001**, 205-6		1
10	Tissue adhesive using synthetic model adhesive proteins inspired by the marine mussel. *Journal of Adhesion Science and Technology*, **2001**, 15, 1003-1013	2	23
9	Biodegradation of Chitosan-Gellan and Poly(L-lysine)-Gellan Polyion Complex Fibers by Pure Cultures of Soil Filamentous Fungi. *Journal of Polymers and the Environment*, **2000**, 8, 59-66	4.5	16
8	The N-terminal lipopeptide of a 44-kDa membrane-bound lipoprotein of Mycoplasma salivarium is responsible for the expression of intercellular adhesion molecule-1 on the cell surface of normal human gingival fibroblasts. *Journal of Immunology*, **2000**, 165, 6538-44	5.3	116

7	Preparation of insolubilized-DNA film with three-dimensional network and removal of endocrine disruptors. *Nucleic Acids Symposium Series*, **2000**, 255-6		3
6	Accumulation and removal of heavy metal ions by insolubilized-DNA and its interaction. *Nucleic Acids Symposium Series*, **2000**, 221-2		5
5	Immobilization of DNA by UV irradiation and its utilization as functional materials. *Nucleic Acids Symposium Series*, **1999**, 103-4		9
4	Mechanism of film formation on nickel anodes in a molten NH4F□2HF. *Electrochimica Acta*, **1999**, 44, 1761-1769	6.7	13
3	Ordered Arrays of Molecular Monolayers of Macrotricyclic Ammonium Cage Hosts as Chloride Receptors. *Chemistry - A European Journal*, **1998**, 4, 914-918	4.8	3
2	Effect of Trace Water on the Film Formation on Nickel Anode. *Electrochemistry*, **1997**, 65, 1086-1090		8
1	Atomic resolution for non-equilibrium structures in the steady state and for structural transformations at the interface between NaCl(c) and water. *Journal of Physics Condensed Matter*, **1996**, 8, 4889-4901	1.8	6