

Masanori Yamada

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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	Anhydrous proton conducting polymer electrolytes based on poly(vinylphosphonic acid)-heterocycle composite material. <i>Polymer</i> , 2005 , 46, 2986-2992	3.9	154
77	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. <i>Journal of Immunology</i> , 2000 , 165, 6538-44	5.3	116
76	Anhydrous proton conductive membrane consisting of chitosan. <i>Electrochimica Acta</i> , 2005 , 50, 2837-2846	4.7	93
75	Anhydrous Protonic Conductivity of a Self-Assembled AcidBase Composite Material. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 5522-5526	3.4	91
74	Laminin-1 peptide-conjugated chitosan membranes as a novel approach for cell engineering. <i>FASEB Journal</i> , 2003 , 17, 875-7	0.9	86
73	Preparation and characterization of DNA films induced by UV irradiation. <i>Chemistry - A European Journal</i> , 2002 , 8, 1407-12	4.8	83
72	UV-irradiated DNA matrixes selectively bind endocrine disruptors with a planar structure. <i>Environmental Science & Technology</i> , 2002 , 36, 949-54	10.3	83
71	A biopolymer composite material as an anhydrous proton-conducting membrane. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3688-91	16.4	78
70	Proton conducting acidBase mixed materials under water-free condition. <i>Electrochimica Acta</i> , 2003 , 48, 2411-2415	6.7	77
69	A self-ordered, crystalline glass, mesoporous nanocomposite with high proton conductivity of 2×10^{-2} S cm ⁻¹ at intermediate temperature. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13092-3	16.4	65
68	Heteropolyacid-encapsulated self-assembled materials for anhydrous proton-conducting electrolytes. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 20486-90	3.4	65
67	Alginate-chitosan composite material as anhydrous proton conducting membrane. <i>Polymer</i> , 2004 , 45, 8349-8354	3.9	60
66	Syndecan binding sites in the laminin alpha1 chain G domain. <i>Biochemistry</i> , 2003 , 42, 12625-33	3.2	58
65	UV-irradiation-induced DNA immobilization and functional utilization of DNA on nonwoven cellulose fabric. <i>Biomaterials</i> , 2001 , 22, 3121-6	15.6	58
64	Identification of neurite outgrowth promoting sites on the laminin alpha 3 chain G domain. <i>Biochemistry</i> , 2002 , 41, 10747-53	3.2	52
63	Ile-Lys-Val-Ala-Val (IKVAV)-containing laminin alpha1 chain peptides form amyloid-like fibrils. <i>FEBS Letters</i> , 2002 , 530, 48-52	3.8	49
62	Bio-Inspired Membranes for Advanced Polymer Electrolyte Fuel Cells. Anhydrous Proton-Conducting Membrane via Molecular Self-Assembly. <i>Bulletin of the Chemical Society of Japan</i> , 2007 , 80, 2110-2123	5.1	45

61	Laminin peptide-conjugated chitosan membrane: Application for keratinocyte delivery in wounded skin. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 79, 716-22	5.4	41
60	Preparation of novel bio-matrix by the complexation of DNA and metal ions. <i>Polymer</i> , 2005 , 46, 10102-10112	9.12	37
59	An anhydrous proton conductor based on lactam-lactim tautomerism of uracil. <i>ChemPhysChem</i> , 2004 , 5, 724-8	3.2	33
58	UV-Irradiated DNA Matrix Selectively Accumulates Heavy Metal Ions. <i>Bulletin of the Chemical Society of Japan</i> , 2002 , 75, 1627-1632	5.1	31
57	DNA-inorganic hybrid material as selective absorbent for harmful compounds. <i>Polymer</i> , 2008 , 49, 4658-4665	4.65	28
56	Polyion Complex Fiber and Capsule Formed by Self-Assembly of Chitosan and Poly(L-glutamic acid) at Solution Interfaces. <i>Macromolecular Materials and Engineering</i> , 2001 , 286, 168-175	3.9	27
55	One-dimensional proton conductor under high vapor pressure condition employing titanate nanotube. <i>Electrochemistry Communications</i> , 2006 , 8, 1549-1552	5.1	25
54	Tissue adhesive using synthetic model adhesive proteins inspired by the marine mussel. <i>Journal of Adhesion Science and Technology</i> , 2001 , 15, 1003-1013	2	23
53	Preparation of bioplastic using soy protein. <i>International Journal of Biological Macromolecules</i> , 2020 , 149, 1077-1083	7.9	20
52	DNA-cyclodextrin composite material for environmental applications. <i>Biomacromolecules</i> , 2008 , 9, 3341-3345	6.9	18
51	Biomembranes for fuel cell electrolytes employing anhydrous proton conducting uracil composites. <i>Biosensors and Bioelectronics</i> , 2006 , 21, 2064-9	11.8	18
50	DNA aqueous solution used for dialytical removal and enrichment of dioxin derivatives. <i>International Journal of Biological Macromolecules</i> , 2003 , 32, 121-7	7.9	18
49	Control of calcium carbonate polymorphism and morphology through biomimetic mineralization by means of nanotechnology. <i>Chemistry - A European Journal</i> , 2003 , 9, 3235-41	4.8	17
48	Biodegradation of Chitosan-Gellan and Poly(L-lysine)-Gellan Polyion Complex Fibers by Pure Cultures of Soil Filamentous Fungi. <i>Journal of Polymers and the Environment</i> , 2000 , 8, 59-66	4.5	16
47	Heteropolyacid-conjugated chitosan matrix for triphase catalyst. <i>Polymer</i> , 2009 , 50, 6076-6082	3.9	15
46	Proton conduction of DNA-imidazole composite material under anhydrous condition. <i>Polymer Journal</i> , 2012 , 44, 415-420	2.7	14
45	Mechanism of film formation on nickel anodes in a molten NH ₄ F-HF. <i>Electrochimica Acta</i> , 1999 , 44, 1761-1769	1.13	13
44	Selective accumulation of harmful compounds by the DNA-inorganic hybrid-immobilized glass bead. <i>Analytica Chimica Acta</i> , 2009 , 647, 249-54	6.6	12

43	Proton conductivity of zwitterionic-type molecular solids under intermediate temperature and anhydrous conditions. <i>Chemical Physics Letters</i> , 2005 , 402, 324-328	2.5	12
42	Preparing Chitosan-Poly(acrylic Acid) Composite Fibers by Self-Assembly at an Aqueous Solution Interface. <i>Textile Research Journal</i> , 2002 , 72, 120-124	1.7	12
41	A grafting through strategy for constructing Janus cotton fabric by mist polymerization. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 24553-24562	13	12
40	Preparation of pectin-inorganic composite material as accumulative material of metal ions. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	11
39	Selective accumulation of rare earth metal and heavy metal ions by a DNA-inorganic hybrid material. <i>Polymer Journal</i> , 2014 , 46, 366-371	2.7	10
38	Immobilization of DNA by UV irradiation and its utilization as functional materials. <i>Nucleic Acids Symposium Series</i> , 1999 , 103-4		9
37	Effect of Trace Water on the Film Formation on Nickel Anode. <i>Electrochemistry</i> , 1997 , 65, 1086-1090		8
36	Polypeptide for anhydrous proton conductor. <i>Electrochimica Acta</i> , 2014 , 144, 168-173	6.7	7
35	Nuclear Factor .KAPPA.B Inhibition by Dibenzoylmethane Derivatives. <i>Journal of Health Science</i> , 2009 , 55, 311-313		7
34	A Biopolymer Composite Material as an Anhydrous Proton-Conducting Membrane. <i>Angewandte Chemie</i> , 2004 , 116, 3774-3777	3.6	7
33	DNA-cyclodextrin-inorganic hybrid material for absorbent of various harmful compounds. <i>Materials Chemistry and Physics</i> , 2011 , 126, 278-283	4.4	6
32	Utilization of DNA-metal Ion Biomatrix as a Relative Humidity Sensor. <i>Polymer Journal</i> , 2008 , 40, 327-331	1.7	6
31	Functional Materials Derived from DNA 2006 , 149-178		6
30	Atomic resolution for non-equilibrium structures in the steady state and for structural transformations at the interface between NaCl(c) and water. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 4889-4901	1.8	6
29	Anhydrous proton conductor consisting of pectin-inorganic composite material. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	5
28	Molecular Structure of Chlorocycloheptane in Inclusion Compound with 9,9'-Bianthryl and Gelation during Crystallization. <i>Bulletin of the Chemical Society of Japan</i> , 2009 , 82, 182-186	5.1	5
27	Efficacy of dibenzoylmethane derivatives in protecting against endoplasmic reticulum stress and inhibiting nuclear factor kappa B on dextran sulfate sodium induced colitis in mice. <i>Biological and Pharmaceutical Bulletin</i> , 2010 , 33, 2029-32	2.3	5
26	Biomembranes for fuel cell electrolytes employing anhydrous proton-conducting uracil composites. <i>Fuel Cells Bulletin</i> , 2006 , 2006, 11-15	1.6	5

25	Accumulation-Exclusion Combined System for the DNA-Binding Harmful Chemicals with Insolubilized DNA. <i>Polymer Journal</i> , 2003 , 35, 872-878	2.7	5
24	Accumulation and removal of heavy metal ions by insolubilized-DNA and its interaction. <i>Nucleic Acids Symposium Series</i> , 2000 , 221-2		5
23	Formaldehyde interacts with RNA rather than DNA: Accumulation of formaldehyde by the RNA-inorganic hybrid material. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 168-173	7.9	5
22	Utilization of milk protein as an environmental material: accumulation of metal ions using a protein-inorganic hybrid material. <i>Polymer Journal</i> , 2016 , 48, 295-300	2.7	4
21	Preparation of DNA-cyclodextrin-silica composite by sol-gel method and its utilization as an environmental material. <i>Materials Chemistry and Physics</i> , 2012 , 133, 278-283	4.4	4
20	Double-stranded DNA stereoselectively promotes aggregation of amyloid-like fibrils and generates peptide/DNA matrices. <i>Biopolymers</i> , 2014 , 102, 465-72	2.2	4
19	Enzymatic collapse of artificial polymer composite material containing double-stranded DNA. <i>International Journal of Biological Macromolecules</i> , 2008 , 42, 478-82	7.9	4
18	Preparation of water-insoluble and biochemically stable RNA hybrid material. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2890-2898	3.2	3
17	Synthesis of DNA intercalator-immobilized cyclodextrin and interaction with double-stranded DNA: Utilization of DNA-cyclodextrin conjugated material as an environmental remediation material. <i>Polymer Chemistry</i> , 2012 , 3, 1291	4.9	3
16	Ordered Arrays of Molecular Monolayers of Macrotricyclic Ammonium Cage Hosts as Chloride Receptors. <i>Chemistry - A European Journal</i> , 1998 , 4, 914-918	4.8	3
15	DNA with gamma-aminopropyltriethoxysilane switches between B- and C-form structures under thermal control. <i>ChemBioChem</i> , 2003 , 4, 232-4	3.8	3
14	Adsorption of Endocrine Disruptors and Related Compounds Using Natural Polymer Composite Fibers Formed by Polyion Complexes. <i>Macromolecular Materials and Engineering</i> , 2001 , 286, 733	3.9	3
13	Preparation of insolubilized-DNA film with three-dimensional network and removal of endocrine disruptors. <i>Nucleic Acids Symposium Series</i> , 2000 , 255-6		3
12	Preparation of DNA-immobilized magnetic particles and their utilization as an accumulative material of metal ions. <i>Journal of Materials Research</i> , 2016 , 31, 360-369	2.5	3
11	Accumulation of harmful compounds by the composite of DNA and cyclodextrin: Effect on intramolecular cavity of cyclodextrin. <i>Materials Chemistry and Physics</i> , 2010 , 124, 623-627	4.4	2
10	Chiral Recognition by DNA-Immobilized TLC Plate. <i>Separations</i> , 2018 , 5, 3	3.1	1
9	Preparation of DNA-polyintercalator conjugate and its functional property. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 215-20	7.9	1
8	Composite material of DNA and cyclodextrin-immobilized poly(ethyleneimine): Accumulation of harmful compounds from multi-component solution. <i>International Journal of Biological Macromolecules</i> , 2010 , 47, 201-6	7.9	1

7	Characterization and formation mechanism of water-insoluble DNA-matrix induced by UV irradiation. <i>Nucleic Acids Symposium Series</i> , 2001 , 205-6		1
6	Effect of Nucleoplasmin on a Nucleosome Structure. <i>Polymer Journal</i> , 2002 , 34, 184-193	2.7	1
5	Synthesis of self-assembled nucleobases and their anhydrous proton conductivity.. <i>RSC Advances</i> , 2019 , 9, 36416-36423	3.7	1
4	Preparation of bioplastic consisting of salmon milt DNA.. <i>Scientific Reports</i> , 2022 , 12, 7423	4.9	1
3	Preparation of Gellan Gum-Inorganic Composite Film and Its Metal Ion Accumulation Property. <i>Journal of Composites Science</i> , 2022 , 6, 42	3	0
2	Anhydrous proton-conducting material consisting of basic protein protamine. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 897, 115586	4.1	0
1	Immobilization of double-stranded DNA onto glass beads by psolaren. <i>International Journal of Biological Macromolecules</i> , 2013 , 60, 39-44	7.9	