Motoki Inoue

List of Publications by Year
in descending order

50	942	471371 17	477173 29
papers	citations	h-index	g-index

52	52	52	1261
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In vitro and in vivo biocompatibility and corrosion behaviour of a bioabsorbable magnesium alloy coated with octacalcium phosphate and hydroxyapatite. Acta Biomaterialia, 2015, 11, 520-530.	4.1	173
2	Quick self-healing and thermo-reversible liposome gel. Colloids and Surfaces B: Biointerfaces, 2011, 82, 196-202.	2.5	65
3	Preparation and Characterization of n-Alkane/Water Emulsion Stabilized by Cyclodextrin. Journal of Oleo Science, 2009, 58, 85-90.	0.6	47
4	Characterization and Quality Control of Pharmaceutical Cocrystals. Chemical and Pharmaceutical Bulletin, 2016, 64, 1421-1430.	0.6	46
5	Enhanced tissue penetration-induced high bonding strength of a novel tissue adhesive composed of cholesteryl group-modified gelatin and disuccinimidyl tartarate. Colloids and Surfaces B: Biointerfaces, 2012, 91, 48-56.	2.5	39
6	Study on Preparation and Formation Mechanism of n-Alkanol/Water Emulsion Using .ALPHA.-Cyclodextrin. Chemical and Pharmaceutical Bulletin, 2007, 55, 1620-1625.	0.6	35
7	In Situ Monitoring of Crystalline Transformation of Carbamazepine Using Probe-Type Low-Frequency Raman Spectroscopy. Organic Process Research and Development, 2017, 21, 262-265.	1.3	35
8	Emulsion Preparation Using .BETA.-Cyclodextrin and Its Derivatives Acting as an Emulsifier. Chemical and Pharmaceutical Bulletin, 2008, 56, 1335-1337.	0.6	33
9	Emulsifying Ability of Î²-Cyclodextrins for Common Oils. Journal of Dispersion Science and Technology, 2010, 31, 1648-1651.	1.3	31
10	CO₂ Fixation Process with Waste Cement Powder via Regeneration of Alkali and Acid by Electrodialysis: Effect of Operation Conditions. Industrial & Engineering Chemistry Research, 2015, 54, 6569-6577.	1.8	31
11	Direct High-Resolution Imaging of Crystalline Components in Pharmaceutical Dosage Forms Using Low-Frequency Raman Spectroscopy. Organic Process Research and Development, 2015, 19, 1796-1798.	1.3	31
12	Transmission Low-Frequency Raman Spectroscopy for Quantification of Crystalline Polymorphs in Pharmaceutical Tablets. Analytical Chemistry, 2019, 91, 1997-2003.	3.2	26
13	Formation and Characterization of Emulsions Using .BETA.-Cyclodextrin as an Emulsifier. Chemical and Pharmaceutical Bulletin, 2008, 56, 668-671.	0.6	25
14	Adhesive properties and biocompatibility of tissue adhesives composed of various hydrophobically modified gelatins and disuccinimidyl tartrate. Journal of Bioactive and Compatible Polymers, 2012, 27, 481-498.	0.8	25
15	The effect of VEGF-immobilized nickel-free high-nitrogen stainless steel on viability and proliferation of vascular endothelial cells. Colloids and Surfaces B: Biointerfaces, 2012, 92, 1-8.	2.5	24
16	An Antithrombogenic Citric Acidâ€Crosslinked Gelatin with Endothelialization Activity. Advanced Healthcare Materials, 2012, 1, 573-581.	3.9	21
17	Solid dispersions of efonidipine hydrochloride ethanolate with improved physicochemical and pharmacokinetic properties prepared with microwave treatment. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 108, 25-31.	2.0	18
18	Enhanced bonding strength of a novel tissue adhesive consisting of cholesteryl group-modified gelatin and disuccinimidyl tartarate. Journal of Bioactive and Compatible Polymers, 2012, 27, 31-44.	0.8	17

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19	Correlation between drug dissolution and resistance to water-induced phase separation in solid dispersion formulations revealed by solid-state NMR spectroscopy. International Journal of Pharmaceutics, 2020, 577, 119086.	2.6	17
20	Unusual degradation behavior of citric acid-crosslinked gelatin in vitro and in vivo. Polymer Degradation and Stability, 2010, 95, 2088-2092.	2.7	16
21	Discrimination and quantification of sulfathiazole polytypes using low-frequency Raman spectroscopy. CrystEngComm, 2018, 20, 1928-1934.	1.3	16
22	Solid-State Quantification of Cocrystals in Pharmaceutical Tablets Using Transmission Low-Frequency Raman Spectroscopy. Analytical Chemistry, 2019, 91, 13427-13432.	3.2	15
23	Identification of Pseudopolymorphism of Magnesium Stearate by Using Low-Frequency Raman Spectroscopy. Organic Process Research and Development, 2016, 20, 1906-1910.	1.3	13
24	Real-Time Formation Monitoring of Cocrystals with Different Stoichiometries Using Probe-Type Low-Frequency Raman Spectroscopy. Industrial & Engineering Chemistry Research, 2017, 56, 12693-12697.	1.8	13
25	Quantitative biocompatibility evaluation of nickelâ€free highâ€nitrogen stainless steel in vitro/in vivo. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 68-72.	1.6	11
26	Pharmaceutical evaluation of atorvastatin calcium tablets available on the Internet: A preliminary investigation of substandard medicines in Japan. Journal of Drug Delivery Science and Technology, 2016, 31, 35-40.	1.4	11
27	UV irradiation enhances the bonding strength between citric acid-crosslinked gelatin and stainless steel. Colloids and Surfaces B: Biointerfaces, 2011, 88, 260-264.	2.5	10
28	Nickel-free stainless steel avoids neointima formation following coronary stent implantation. Science and Technology of Advanced Materials, 2012, 13, 064218.	2.8	10
29	Preparation and Characterization of Cycloalkanol/Water Emulsion Using Î±-Cyclodextrin as an Emulsifier. Journal of Dispersion Science and Technology, 2009, 30, 852-856.	1.3	9
30	Polyâ€(<scp>L</scp>â€lactic acid) and citric acidâ€crosslinked gelatin composite matrices as a drugâ€eluting stent coating material with endothelialization, antithrombogenic, and drug release properties. Journal of Biomedical Materials Research - Part A, 2013, 101A, 2049-2057.	2.1	9
31	Novel amino acidâ€based surfactant for silicone emulsification and its application in hair care products: a promising alternative to quaternary ammonium cationic surfactants. International Journal of Cosmetic Science, 2017, 39, 556-563.	1.2	9
32	Quantification of a cocrystal and its dissociated compounds in solid dosage form using transmission Raman spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2020, 177, 112886.	1.4	9
33	Pharmaceutical quantification with univariate analysis using transmission Raman spectroscopy. Drug Development and Industrial Pharmacy, 2019, 45, 1430-1436.	0.9	8
34	Preparation and biological evaluation of hydroxyapatite-coated nickel-free high-nitrogen stainless steel. Science and Technology of Advanced Materials, 2012, 13, 064213.	2.8	6
35	Developmental considerations for ethanolates with regard to stability and physicochemical characterization of efonidipine hydrochloride ethanolate. CrystEngComm, 2015, 17, 7430-7436.	1.3	5
36	Fabrication of reactive poly(vinyl alcohol) membranes for prevention of bone cement leakage. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 1786-1791.	1.6	4

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37	Fabrication of precious metals recovery materials using grape seed-waste. Sustainable Materials and Technologies, 2015, 3, 14-16.	1.7	4
38	Prevention of catheter infection using a biodegradable tissue adhesive composed of human serum albumin and disuccinimidyl tartrate. Journal of Bioactive and Compatible Polymers, 2014, 29, 284-297.	0.8	3
39	Effects of ultraviolet irradiation on bonding strength between Coâ€“Cr alloy and citric acid-crosslinked gelatin matrix. Journal of Biomaterials Applications, 2014, 28, 880-886.	1.2	3
40	Microanalysis of pharmaceutical cocrystals using a nano-spot method coupled with Raman spectroscopy. CrystEngComm, 2016, 18, 8004-8009.	1.3	3
41	Molecular State of Active Pharmaceutical Ingredients in Ketoprofen Dermal Patches Characterized by Pharmaceutical Evaluation. Biological and Pharmaceutical Bulletin, 2018, 41, 1348-1354.	0.6	3
42	Mechanistic study of preparation of drug/polymer/surfactant ternary hot extrudates to obtain small and stable drug nanocrystal suspensions. International Journal of Pharmaceutics, 2020, 591, 120003.	2.6	3
43	In Situ Monitoring of Lipid Phase State Make Target Lipid Mixtures Similar to Intercellular Lipid in the Stratum Corneum. European Journal of Lipid Science and Technology, 2020, 122, 1900171.	1.0	2
44	Solid-State Analysis of Alpha-Cyclodextrin Inclusion Complexes Using Low-Frequency Raman Spectroscopy. Analytical Chemistry, 2021, 93, 704-708.	3.2	2
45	Tamibarotene-loaded citric acid-crosslinked alkali-treated collagen matrix as a coating material for a drug-eluting stent. Science and Technology of Advanced Materials, 2012, 13, 064208.	2.8	1
46	Biodegradable organic acid-crosslinked alkali-treated gelatins with anti-thrombogenic and endothelialization properties. Science and Technology of Advanced Materials, 2012, 13, 064215.	2.8	1
47	Analysis of inline-filter blockage with trastuzumab formulation using scanning-electron microscopy. Biomedicine and Pharmacotherapy, 2019, 112, 108711.	2.5	1
48	Raman monitoring of semi-continuously manufactured orodispersible films for individualized dosing. Journal of Drug Delivery Science and Technology, 2021, 61, 102224.	1.4	1
49	Formation of Hydroxyapatite on Nickel-Free High-Nitrogen Stainless Steel by Chemical Solution Deposition Method in Neutral/Alkaline Solution. Key Engineering Materials, 0, 529-530, 237-242.	0.4	0
50	Promotion of initial cell adhesion on trisuccinimidyl citrate-modified nickel-free high-nitrogen stainless steel. Journal of Materials Science: Materials in Medicine, 2013, 24, 951-958.	1.7	0