

# Makoto Otsuka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7139226/publications.pdf>

Version: 2024-02-01

309  
papers

6,711  
citations

81434

41  
h-index

134545

62  
g-index

317  
all docs

317  
docs citations

317  
times ranked

5811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanochemical Effect on Controlled Drug Release of Konjac Glucomannan Matrix Tablets during Dry Grinding. <i>Gels</i> , 2022, 8, 181.	2.1	4
2	Comparative study on the real-time monitoring of a fluid bed drying process of extruded granules using near-infrared spectroscopy and audible acoustic emission. <i>International Journal of Pharmaceutics</i> , 2022, 619, 121689.	2.6	5
3	Near-infrared spectroscopy-based nondestructive at-line analysis of physicochemical properties of atorvastatin calcium hydrate after grinding. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 71, 103266.	1.4	2
4	Real-Time Monitoring of Critical Quality Attributes during High-Shear Wet Granulation Process by Near-Infrared Spectroscopy Effect of Water Addition and Stirring Speed on Pharmaceutical Properties of the Granules. <i>Pharmaceutics</i> , 2022, 15, 822.	1.7	3
5	Evaluation of swelling properties and drug release from mechanochemical pre-gelatinized glutinous rice starch matrix tablets by near infrared spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2021, 29, 92-101.	0.8	2
6	Device-Independent Discrimination of Falsified Amoxicillin Capsules Using Heterogeneous Near-Infrared Spectroscopic Devices for Training and Testing of a Support Vector Machine. <i>Applied Spectroscopy</i> , 2021, 75, 1251-1261.	1.2	4
7	Photochemical stability of warfarin potassium in powdered pharmaceutical tablets. <i>Bio-Medical Materials and Engineering</i> , 2021, 32, 115-129.	0.4	0
8	Injection-Molded Coamorphous Tablets: Analysis of Intermolecular Interaction and Crystallization Propensity. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3289-3297.	1.6	3
9	Characteristic evaluation of the pseudo-polymorphism of amorphous atorvastatin calcium hydrates by terahertz spectroscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 630, 127551.	2.3	2
10	Complete Cocrystal Formation during Resonant Acoustic Wet Granulation: Effect of Granulation Liquids. <i>Pharmaceutics</i> , 2021, 13, 56.	2.0	7
11	Quantitative Analysis of Trace Isotope Impurity in Pharmaceutical Material by Terahertz Laser Spectrometer. , 2021, , .		0
12	Formation of Indomethacin-Saccharin Cocrystals during Wet Granulation: Role of Polymeric Excipients. <i>Molecular Pharmaceutics</i> , 2020, 17, 274-283.	2.3	8
13	Elucidation of the Molecular Mechanism of Wet Granulation for Pharmaceutical Standard Formulations in a High-Speed Shear Mixer Using Near-Infrared Spectroscopy. <i>Pharmaceutics</i> , 2020, 13, 226.	1.7	4
14	Cocrystal Formation through Solid-State Reaction between Ibuprofen and Nicotinamide Revealed Using THz and IR Spectroscopy with Multivariate Analysis. <i>Crystals</i> , 2020, 10, 760.	1.0	8
15	Effect of mesoporous characteristics on competitive adsorption kinetics of uremic-like toxin and atorvastatin on spherical carbon adsorbents for an in vitro chronic renal failure therapeutic model. <i>Colloid and Polymer Science</i> , 2020, 298, 1487-1500.	1.0	0
16	Evaluation of using spray-dried glutinous rice starch as a direct compression hydrophilic matrix tablet. <i>Bio-Medical Materials and Engineering</i> , 2020, 31, 59-72.	0.4	2
17	Analysis of granulation mechanism in a high-shear wet granulation method using near-infrared spectroscopy and stirring power consumption. <i>Colloid and Polymer Science</i> , 2020, 298, 977-987.	1.0	7
18	Characterization of ternary amorphous solid dispersion containing hypromellose phthalate and erythritol prepared by hot melt extrusion using melting point depression. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101797.	1.4	6

#	ARTICLE	IF	CITATIONS
19	Enhancement of mineralization on porous titanium surface by filling with nano-hydroxyapatite particles fabricated with a vacuum spray method. <i>Materials Science and Engineering C</i> , 2020, 111, 110772.	3.8	16
20	Application of spray freeze drying to theophylline-oxalic acid cocrystal engineering for inhaled dry powder technology. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 179-187.	0.9	22
21	One-step preparation of sustained-release ASDs using mesoporous spherical silica. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101553.	1.4	1
22	Precise Evaluation of the Effects of a Small Amount of D-histidine in L-histidine Crystal Form B Using High-Frequency-Accurate Terahertz Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020, 41, 529-541.	1.2	7
23	Pharmaceutical evaluation of matrix tablets prepared using a fused deposition modelling type three-dimensional printer "Effect of geometrical internal microstructural factors on drug release from enteric-polymer tablets containing rebamipide. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 787-797.	1.2	3
24	Partial Least Squares Regression-Based Robust Forward Control of the Tableting Process. <i>Pharmaceutics</i> , 2020, 12, 85.	2.0	4
25	Kinetics Study of Cocrystal Formation Between Indomethacin and Saccharin Using High-Shear Granulation With In Situ Raman Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3201-3208.	1.6	15
26	Pharmaceutical formulation analysis of a gelatin-based soft capsule film sheet containing phytic acid using near-infrared spectroscopy. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101126.	1.4	5
27	Fundamental evaluation and optimization of porous spherical silica for developing functional fine particles via fluidized bed coating. <i>International Journal of Pharmaceutics</i> , 2019, 571, 118685.	2.6	3
28	Quantitation of trace amorphous solifenacin succinate in pharmaceutical formulations by transmission Raman spectroscopy. <i>International Journal of Pharmaceutics</i> , 2019, 565, 325-332.	2.6	11
29	MCR-ALS analysis of IR spectroscopy and XRD for the investigation of ibuprofen - nicotinamide cocrystal formation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 221, 117142.	2.0	18
30	Characterization of Amorphous Solid Dispersion of Pharmaceutical Compound with pH-Dependent Solubility Prepared by Continuous-Spray Granulator. <i>Pharmaceutics</i> , 2019, 11, 159.	2.0	9
31	A novel tablet disintegrant from <i>Ocimum canum</i> seeds. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 51, 18-25.	1.4	4
32	Simultaneous quantitative analysis of indomethacin and benzoic acid in gel using ultra-violet-visible spectrophotometry and chemometrics. <i>Bio-Medical Materials and Engineering</i> , 2019, 30, 73-84.	0.4	2
33	Mechanochemical effect on swelling and drug release of natural polymer matrix tablets by X-ray computed tomography. <i>International Journal of Pharmaceutics</i> , 2018, 539, 31-38.	2.6	12
34	Performance of an acoustically mixed pharmaceutical dry powder delivered from a novel inhaler. <i>International Journal of Pharmaceutics</i> , 2018, 538, 130-138.	2.6	7
35	Injectable simvastatin gel for minimally invasive periosteal distraction: In vitro and in vivo studies in rat. <i>Clinical Oral Implants Research</i> , 2018, 29, 227-234.	1.9	10
36	Detection of Impurities in Organic Crystals by High-Accuracy Terahertz Absorption Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 1677-1682.	3.2	34

#	ARTICLE	IF	CITATIONS
37	In-Line Monitoring of a High-Shear Granulation Process Using the Baseline Shift of Near Infrared Spectra. AAPS PharmSciTech, 2018, 19, 710-718.	1.5	8
38	Application of near-infrared spectroscopy to optimize dissolution profiles of tablets according to the granulation mechanism. Drug Development and Industrial Pharmacy, 2018, 44, 713-722.	0.9	6
39	Pharmaceutical evaluation of hospital-prepared, ulinastatin-containing vaginal suppositories. Journal of Drug Delivery Science and Technology, 2018, 44, 1-7.	1.4	3
40	Pharmaceutical Inhaled Particle Design by Acoustically Mixing System Based on Vibrational Spectroscopy and Chemometrics. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2018, 26, 175-179.	0.0	0
41	Preparation of Calcium Phosphate Coated Simvastatin-Loaded PLGA Microspheres Dispersed Alginate Hydrogel Beads as a Controlled Drug Delivery Carrier. Key Engineering Materials, 2018, 782, 201-206.	0.4	2
42	Pharmaceutical formulation analysis of gelatin-based soft capsule film sheets using near-infrared spectroscopy. Journal of Drug Delivery Science and Technology, 2018, 48, 174-182.	1.4	7
43	Predictive Evaluation of Pharmaceutical Properties of Ulinastatin-Containing Vaginal Suppositories as a Hospital Preparation by Near-Infrared Spectroscopy. Chemical and Pharmaceutical Bulletin, 2018, 66, 589-595.	0.6	5
44	Evaluation of swelling processes of various natural polymer matrix tablets by X-ray computed tomography and controlled drug release. Bio-Medical Materials and Engineering, 2018, 29, 439-450.	0.4	1
45	Audible acoustic emission data analysis for active pharmaceutical ingredient concentration prediction during tableting processes. International Journal of Pharmaceutics, 2018, 548, 721-727.	2.6	5
46	Real-time monitoring of the tablet-coating process by near-infrared spectroscopy - Effects of coating polymer concentrations on pharmaceutical properties of tablets. Journal of Drug Delivery Science and Technology, 2018, 46, 111-121.	1.4	27
47	Sharp Absorption Peaks in THz Spectra Valuable for Crystal Quality Evaluation of Middle Molecular Weight Pharmaceuticals. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 828-839.	1.2	14
48	Non-destructive prediction of enteric coating layer thickness and drug dissolution rate by near-infrared spectroscopy and X-ray computed tomography. International Journal of Pharmaceutics, 2017, 525, 282-290.	2.6	31
49	Modeling of feed-forward control using the partial least squares regression method in the tablet compression process. International Journal of Pharmaceutics, 2017, 524, 407-413.	2.6	23
50	Effect of coexisting atorvastatin calcium on <i>in vitro</i> uremic-like-toxin adsorption in gastrointestinal tract model solution by spherical carbon adsorbent for chronic renal failure therapy. Journal of Drug Delivery Science and Technology, 2017, 39, 484-489.	1.4	1
51	Analysis of the dehydration process of caffeine using backscattering and transmission Raman spectroscopy. International Journal of Pharmaceutics, 2017, 530, 256-262.	2.6	10
52	Real-time monitoring of granule properties during high shear wet granulation by near-infrared spectroscopy with a chemometrics approach. RSC Advances, 2017, 7, 38307-38317.	1.7	14
53	Rapid identification of oral solid dosage forms of counterfeit pharmaceuticals by discrimination using near-infrared spectroscopy. Bio-Medical Materials and Engineering, 2017, 29, 1-14.	0.4	8
54	Development and effect of a sustainable and controllable simvastatin-releasing device based on PLGA microspheres/carbonate apatite cement composite: <i>In vitro</i> evaluation for use as a drug delivery system from bone-like biomaterial. Journal of Drug Delivery Science and Technology, 2017, 37, 74-80.	1.4	24

#	ARTICLE	IF	CITATIONS
55	Physicochemical Characterization of Nano-Hydroxyapatite Prepared by a Wet Method. <i>Key Engineering Materials</i> , 2017, 758, 189-193.	0.4	1
56	In-line and Real-time Monitoring of Resonant Acoustic Mixing by Near-infrared Spectroscopy Combined with Chemometric Technology for Process Analytical Technology Applications in Pharmaceutical Powder Blending Systems. <i>Analytical Sciences</i> , 2017, 33, 41-46.	0.8	18
57	ATR/FT-IR and NIR Auto-correlation Spectroscopic Analysis of Powder Blending Uniformity of Low-content Magnesium Stearate and Potato Starch. <i>Analytical Sciences</i> , 2017, 33, 65-68.	0.8	5
58	Design for Artificial Bone Cell Scaffold with Osteoporotic Responsive Drug Release. <i>Oleoscience</i> , 2017, 17, 349-357.	0.0	1
59	Bioresorbable zinc hydroxyapatite guided bone regeneration membrane for bone regeneration. <i>Clinical Oral Implants Research</i> , 2016, 27, 354-360.	1.9	35
60	Single crystal growth and polarization absorption spectroscopy of theophylline anhydrous for terahertz vibrational mode assignment. <i>Vibrational Spectroscopy</i> , 2016, 85, 91-96.	1.2	5
61	Characterization of melt-quenched and milled amorphous solids of gatifloxacin. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 1851-1856.	0.9	4
62	Analysis of the stabilization process of indomethacin crystals via $\text{H}^+$ and $\text{CH}^+$ interactions measured by Raman spectroscopy and X-ray diffraction. <i>Chemical Physics Letters</i> , 2016, 661, 114-118.	1.2	5
63	Use of partial least-squares analysis and fractionated X-ray computed tomography images in the investigation of density distribution of round tablets. <i>Powder Technology</i> , 2016, 302, 261-264.	2.1	4
64	Delay effect of magnesium stearate on tablet dissolution in acidic medium. <i>International Journal of Pharmaceutics</i> , 2016, 511, 757-764.	2.6	16
65	Verification of the mixing processes of the active pharmaceutical ingredient, excipient and lubricant in a pharmaceutical formulation using a resonant acoustic mixing technology. <i>RSC Advances</i> , 2016, 6, 87049-87057.	1.7	29
66	Effect of ball milling on the physicochemical properties of atorvastatin calcium sesquihydrate: the dissolution kinetic behaviours of milled amorphous solids. <i>Journal of Pharmacy and Pharmacology</i> , 2016, 69, 15-22.	1.2	13
67	Effect of organic solvent vapors on the crystallization rate of amorphous indomethacin. <i>Advanced Powder Technology</i> , 2016, 27, 808-811.	2.0	5
68	Mechanochemical synthesis of zinc-apatitic calcium phosphate and the controlled zinc release for bone tissue engineering. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 595-601.	0.9	9
69	The effectiveness of the controlled release of simvastatin from $\beta$ -TCP macrosphere in the treatment of OVX mice. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, E195-E203.	1.3	24
70	Predictive Evaluation of Heat Treatment Effect on Theophylline Release of Spray-Dried Pre-Gelatinised Glutinous Rice Starch Particles by near Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2015, 23, 189-196.	0.8	1
71	Predictive evaluation of pharmaceutical properties of direct compression tablets containing theophylline anhydrate during storage at high humidity by near-infrared spectroscopy. <i>Bio-Medical Materials and Engineering</i> , 2015, 25, 223-236.	0.4	12
72	Initial dissolution kinetics of cocrystal of carbamazepine with nicotinamide. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1512-1518.	1.2	11

#	ARTICLE	IF	CITATIONS
73	Effect of biomimetic zinc-containing tricalcium phosphate (Zn-TCP) on the growth and osteogenic differentiation of mesenchymal stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 852-858.	1.3	23
74	Therapeutic effects of transdermal systems containing zinc-related materials on thermal burn rats. <i>Bio-Medical Materials and Engineering</i> , 2015, 25, 143-156.	0.4	3
75	Quantitative analysis of $\alpha$ -mangostin in hydrophilic ointment using near-infrared spectroscopy. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 515-521.	0.9	7
76	Effect of carbon dioxide on self-setting apatite cement formation from tetracalcium phosphate and dicalcium phosphate dihydrate; ATR-IR and chemoinformatics analysis. <i>Colloid and Polymer Science</i> , 2015, 293, 2781-2788.	1.0	23
77	Non-destructive prediction of the drug content of an acetaminophen suppository by near-infrared spectroscopy and X-ray computed tomography. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 15-21.	0.9	7
78	Strontium hydroxyapatite <i>in situ</i> gel-forming system: a new approach for minimally invasive bone augmentation. <i>Clinical Oral Implants Research</i> , 2015, 26, 581-585.	1.9	15
79	Preparation of Calcium Phosphate Nanocapsule Including Deoxyribonucleic Acid-Polyethyleneimine-Hyaluronic Acid Ternary Complex for Durable Gene Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 179-184.	1.6	14
80	Strontium- and magnesium-enriched biomimetic $\beta$ -TCP microspheres with potential for bone tissue morphogenesis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 771-778.	1.3	25
81	Real-time Monitoring of Changes of Adsorbed and Crystalline Water Contents in Tablet Formulation Powder Containing Theophylline Anhydrate at Various Temperatures During Agitated Granulation by Near-infrared Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 2924-2936.	1.6	21
82	Real-time monitoring of the drying of extruded granules in a fluid-bed dryer using audible acoustic emission chemometrics. <i>RSC Advances</i> , 2014, 4, 50558-50565.	1.7	6
83	Real-time release monitoring for water content and mean particle size of granules in lab-sized fluid-bed granulator by near-infrared spectroscopy. <i>RSC Advances</i> , 2014, 4, 17461-17468.	1.7	24
84	Near Infrared Spectroscopic Study of the Hydration/Swelling Process of Microcrystalline Cellulose, Starch and Carboxymethylcellulose. <i>Journal of Near Infrared Spectroscopy</i> , 2014, 22, 199-204.	0.8	7
85	Bone regeneration of calvarial defect using marine calcareous-derived beta-tricalcium phosphate microspheres. <i>Journal of Tissue Engineering</i> , 2014, 5, 204173141452344.	2.3	11
86	Development of Skeletal Drug Delivery System Based on Apatite/Collagen Composite Cement. <i>Springer Series in Biomaterials Science and Engineering</i> , 2014, , 355-372.	0.7	2
87	Application of NIR spectroscopy for the quality control of mangosteen pericarp powder: quantitative analysis of alpha-mangostin in mangosteen pericarp powder and capsule. <i>Journal of Natural Medicines</i> , 2013, 67, 452-459.	1.1	10
88	Simvastatin-Loaded $\beta$ -TCP Drug Delivery System Induces Bone Formation and Prevents Rhabdomyolysis in OVX Mice. <i>Advanced Healthcare Materials</i> , 2013, 2, 678-681.	3.9	12
89	Solid Material Characterization of Freeze-Dried Gabexate Mesilate Containing D-Mannitol by Terahertz Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2013, 34, 170-180.	1.2	3
90	Effect of geometrical structure on the <i>in vivo</i> quality change of a three-dimensionally perforated porous bone cell scaffold made of apatite/collagen composite. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 338-345.	1.6	12

#	ARTICLE	IF	CITATIONS
91	Adsorption kinetic and mechanistic studies for pharmaceutical spherical carbon adsorbents: Comparison of a brand product and two generics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 538-543.	2.5	7
92	Tablet Characteristics Prediction by Powder Blending Process Analysis Based on near Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2013, 21, 1-9.	0.8	13
93	Effects of polymorphic transformation on pharmaceutical properties of direct compressed tablets containing theophylline anhydrate bulk powder under high humidity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 931-936.	2.5	12
94	Dissolution process analysis using model-free Noyes-Whitney integral equation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 227-231.	2.5	102
95	Preparation of calcium phosphate nanocapsules including simvastatin/deoxycholic acid assembly, and their therapeutic effect in osteoporosis model mice. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 494-502.	1.2	27
96	Quantitative Determination of Lattice Fluoride Effects on the Solubility and Crystallinity of Carbonated Apatites with Incorporated Fluoride. <i>Caries Research</i> , 2013, 47, 193-202.	0.9	7
97	Application of Calcium Phosphate as a Controlled-Release Device. <i>Biological and Pharmaceutical Bulletin</i> , 2013, 36, 1676-1682.	0.6	11
98	Coral Exoskeletons as a Precursor Material for the Development of a Calcium Phosphate Drug Delivery System for Bone Tissue Engineering. <i>Biological and Pharmaceutical Bulletin</i> , 2013, 36, 1662-1665.	0.6	13
99	Real-Time Monitoring of the Drying of Extruded Granules in a Fluidised Bed Using near Infrared Spectroscopy and Kinetic Evaluation of the Drying Process. <i>Journal of Near Infrared Spectroscopy</i> , 2013, 21, 107-115.	0.8	12
100	Partial Least Square Discriminant Analysis of Mangosteen Pericarp Powder by near Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2013, 21, 195-202.	0.8	11
101	Therapeutic effect of zinc-containing calcium phosphate suspension injection in thermal burn rats. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1518-1524.	2.1	3
102	Foreword. <i>Biological and Pharmaceutical Bulletin</i> , 2013, 36, 1653-1653.	0.6	2
103	The Therapeutic Effect on Bone Mineral Formation from Biomimetic Zinc Containing Tricalcium Phosphate (ZnTCP) in Zinc-Deficient Osteoporotic Mice. <i>PLoS ONE</i> , 2013, 8, e71821.	1.1	25
104	Bone Regeneration of Rat Tibial Defect by Zinc-Tricalcium Phosphate (Zn-TCP) Synthesized from Porous Foraminifera Carbonate Macrospheres. <i>Marine Drugs</i> , 2013, 11, 5148-5158.	2.2	34
105	Real-Time Monitoring of Pharmaceutical Powder Blending Using a Wireless near Infrared Spectrophotometer. <i>NIR News</i> , 2013, 24, 9-11.	1.6	6
106	Controlled Release of Simvastatin from Biomimetic $\beta$ -TCP Drug Delivery System. <i>PLoS ONE</i> , 2013, 8, e54676.	1.1	37
107	Dissolution Medium Responsive Simvastatin Release from Biodegradable Apatite Cements and the Therapeutic Effect in Osteoporosis Rats. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2012, 10, 22-28.	0.7	4
108	Stability test for amorphous materials in humidity controlled 96-well plates by near-infrared spectroscopy. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 380-385.	0.9	10

#	ARTICLE	IF	CITATIONS
109	Pharmaceutical production of tableting granules in an ultra-small-scale high-shear granulator as a pre-formulation study. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 1390-1393.	0.9	4
110	Quantitative Evaluation of the Disintegration of Orally Rapid Disintegrating Tablets by X-Ray Computed Tomography. <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 1502-1507.	0.6	7
111	A Non-Destructive Method of Predicting the Particle Size of the Bulk Drug Powder in an Acetaminophen Suppository by Near-Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2012, 20, 255-265.	0.8	2
112	Possibility of Alveolar Bone Promoting Enhancement by Using Lipophilic and/or Hydrophilic Zinc Related Compounds in Zinc-Deficient Osteoporosis Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2012, 35, 1496-1501.	0.6	7
113	Effect of laser irradiation on the stability of a photo-sensitive active pharmaceutical ingredient by Raman microscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 70, 259-264.	1.4	2
114	Comparison of physico-chemical characteristics among three pharmaceutical spherical carbon adsorbents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 100, 90-94.	2.5	5
115	Effects of lubricant-mixing time on prolongation of dissolution time and its prediction by measuring near infrared spectra from tablets. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 412-419.	0.9	42
116	Time-resolved near-infrared spectroscopic study of the dissolution of crystalline lactose. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 884-889.	1.9	4
117	Preparation of core-shell poly(l-lactic) acid-nanocrystalline apatite hollow microspheres for bone repairing applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2659-2669.	1.7	18
118	Robust calibration models to predict antipyrine content in various kinds of packaged hospital powder preparations by using near-infrared spectroscopy. <i>Bio-Medical Materials and Engineering</i> , 2012, 22, 311-319.	0.4	1
119	Characterization of Poly-Amorphous Indomethacin by Terahertz Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012, 33, 953-962.	1.2	22
120	DNA complex-releasing system by injectable self-setting apatite cement. <i>Journal of Gene Medicine</i> , 2012, 14, 251-261.	1.4	8
121	Chemometric evaluation of physicochemical properties of carbonated-apatitic preparations by Fourier transform infrared spectroscopy. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2186-2193.	2.1	4
122	Preparation of injectable auto-forming alginate gel containing simvastatin with amorphous calcium phosphate as a controlled release medium and their therapeutic effect in osteoporosis model rat. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 1291-1297.	1.7	25
123	Nondestructive prediction of oren extract powder, a herbal medicine, in suppositories by chemometric near-infrared spectroscopy. <i>Journal of Natural Medicines</i> , 2012, 66, 329-332.	1.1	8
124	Quantitative evaluation of the disintegration of orally rapid disintegrating tablets by X-ray computed tomography. <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 1502-7.	0.6	5
125	Isomerization of Lactose in Solid-state by Mechanical Stress During Grinding. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 43, 148-153.	1.2	32
126	Oestradiol Release from Self-setting Apatitic Bone Cement Responsive to Plasma-calcium Level in Ovariectomized Rats, and its Physicochemical Mechanism. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 49, 1182-1188.	1.2	21

#	ARTICLE	IF	CITATIONS
127	Quantitative analysis of pseudopolymorphic transformation of imidafenacin by application of a novel combination of near-infrared spectroscopy and a humidity-controlled 96-well plate. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 911-917.	1.2	10
128	Effects of Tableting Pressure on Hydration Kinetics of Theophylline Anhydrate Tablets. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 43, 226-231.	1.2	16
129	Effect of Zinc-Containing .BETA.-Tricalcium Phosphate Nano Particles Injection on Jawbone Mineral Density and Mechanical Strength of Osteoporosis Model Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1215-1218.	0.6	15
130	NIR spectroscopic study of the dissolution process in pharmaceutical tablets. <i>Vibrational Spectroscopy</i> , 2011, 57, 275-281.	1.2	36
131	Bone cell activity responsive drug release from biodegradable apatite/collagen nano-composite cementsâ€™ in vitro dissolution medium responsive vitamin K2 release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 85, 338-342.	2.5	19
132	Effect of Surface Characteristics of Theophylline Anhydrate Powder on Hygroscopic Stability. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 42, 606-610.	1.2	48
133	Dissolution Medium Responsive Simvastatin Release from Biodegradable Apatite Cements Drug Delivery System - The Therapeutically Effect and their Histology in Osteoporosis Rats -. <i>Key Engineering Materials</i> , 2011, 493-494, 684-688.	0.4	1
134	Effect of Geometrical Structure on the Biodegradation of a Three-Dimensionally Perforated Porous Apatite/Collagen Composite Bone Cell Scaffold. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1228-1232.	0.6	13
135	Quantitative Determination of Hydrate Content of Theophylline Powder by Chemometric X-ray Powder Diffraction Analysis. <i>AAPS PharmSciTech</i> , 2010, 11, 204-211.	1.5	14
136	Analysis of the surface structure of DNA/polycation/hyaluronic acid ternary complex by Raman microscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 268-272.	1.4	16
137	Hydroxyapatite formation on porous ceramics of alpha-tricalcium phosphate in a simulated body fluid. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 1921-1926.	1.7	26
138	Effect of geometrical structure on drug release rate of a three-dimensionally perforated porous apatite/collagen composite cement. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 286-292.	1.6	26
139	Quantitative Evaluation of Mefenamic Acid Polymorphs by Terahertz-Chemometrics. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 4048-4053.	1.6	42
140	Infrared spectroscopic study of lipid interaction in stratum corneum treated with transdermal absorption enhancers. <i>International Journal of Pharmaceutics</i> , 2010, 389, 18-23.	2.6	69
141	Improvement of theophylline anhydrate stability at high humidity by surface-physicochemical modification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 158-163.	2.5	1
142	The physicochemical properties of a spray dried glutinous rice starch biopolymer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 78, 30-35.	2.5	49
143	Determination of the crystallinity of cephalexin in pharmaceutical formulations by chemometrical near-infrared spectroscopy. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 72-80.	0.9	11
144	Stability of gabexate mesilate products: Influence of the addition of mannitol. <i>Bio-Medical Materials and Engineering</i> , 2010, 20, 13-20.	0.4	1

#	ARTICLE	IF	CITATIONS
145	Application of a novel combination of near-infrared spectroscopy and a humidity-controlled 96-well plate to the characterization of the polymorphism of imidafenacin. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 1526-1533.	1.2	11
146	Nondestructive prediction of the drug content of an aspirin suppository by near-infrared spectroscopy. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 839-844.	0.9	20
147	Determination of carbamazepine polymorphic contents in double-layered tablets using transmittance- and reflectance-near-infrared spectroscopy involving chemometrics. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 1404-1412.	0.9	10
148	Highly efficient amorphization of drugs by the participation of molecular complex. <i>Transactions of the Materials Research Society of Japan</i> , 2010, 35, 717-721.	0.2	1
149	Effects of Paddle-Shaft Position and Inclination of Dissolution Apparatus on the Dissolution Rate of Carbamazepine Tablets and the Equivalence Assessment of Generic Drugs. <i>Dissolution Technologies</i> , 2010, 17, 36-44.	0.2	0
150	Non-invasive and rapid analysis for observation of internal structure of press-coated tablet using X-ray computed tomography. <i>Drug Development and Industrial Pharmacy</i> , 2009, 35, 678-682.	0.9	19
151	Long-term therapeutic effect of novel calcium phosphate-based compounds injected in ovariectomized rats. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 90B, 229-237.	1.6	18
152	Prediction of tablet properties based on near infrared spectra of raw mixed powders by chemometrics: Scale-up factor of blending and tableting processes. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 4296-4305.	1.6	25
153	Comparative evaluation of bioactivity of crystalline trypsin for drying by Fourier-transformed infrared spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 69, 194-200.	2.5	13
154	Multivariate analysis of DSC-XRD simultaneous measurement data: a study of multistage crystalline structure changes in a linear poly(ethylene imine) thin film. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 367-376.	1.9	23
155	Evaluation of relationship between molecular behaviour and mechanical strength of pullulan films. <i>International Journal of Pharmaceutics</i> , 2009, 374, 33-38.	2.6	38
156	Raman imaging analysis of pharmaceutical tablets by two-dimensional (2D) correlation spectroscopy. <i>Vibrational Spectroscopy</i> , 2009, 51, 125-131.	1.2	30
157	Nano- and macro-geometrical structural change of caffeine and theophylline anhydrate tablets during hydration process by using X-ray computed tomography. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 351-359.	2.5	11
158	Quantitative Evaluation of Glycyrrhizic Acid That Affects the Product Quality of Kakkonto Extract, a Traditional Herbal Medicine, by a Chemometric near Infrared Spectroscopic Method. <i>Journal of Near Infrared Spectroscopy</i> , 2009, 17, 89-100.	0.8	11
159	Self-modeling curve resolution (SMCR) analysis of near-infrared (NIR) imaging data of pharmaceutical tablets. <i>Analytica Chimica Acta</i> , 2008, 619, 81-86.	2.6	56
160	Efficacy of the Injectable Calcium Phosphate Ceramics Suspensions Containing Magnesium, Zinc and Fluoride on the Bone Mineral Deficiency in Ovariectomized Rats. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 421-432.	1.6	52
161	Influence of crystallite microstrain on surface complexes governing the metastable equilibrium solubility behavior of carbonated apatites. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 96-109.	5.0	11
162	Effects of bead size and polymerization in PMMA bone cement on vancomycin release. <i>Bio-Medical Materials and Engineering</i> , 2008, 18, 377-385.	0.4	20

#	ARTICLE	IF	CITATIONS
163	An Accurate Quantitative Analysis of Polymorphic Content by Chemometric X-ray Powder Diffraction. <i>Analytical Sciences</i> , 2008, 24, 451-457.	0.8	19
164	Theoretical Analysis of Tablet Hardness Prediction Using Chemoinformetric Near-Infrared Spectroscopy. <i>Analytical Sciences</i> , 2007, 23, 857-862.	0.8	41
165	Chemoinformetrical Evaluation of Dissolution Property of Indomethacin Tablets by Near-Infrared Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 788-801.	1.6	53
166	Effects of solid-state reaction between paracetamol and cloperastine hydrochloride on the pharmaceutical properties of their preparations. <i>International Journal of Pharmaceutics</i> , 2007, 335, 12-19.	2.6	21
167	A Comparison of the Technical Quality of American and Japanese Ranitidine Tablets. <i>Dissolution Technologies</i> , 2007, 14, 22-28.	0.2	1
168	Analysis of Liquid Specimen in a Glass Ampoule by 532 nm Laser Micro-FT-Raman. <i>Journal of Hard Tissue Biology</i> , 2007, 16, 143-145.	0.2	1
169	Comparative evaluation of bioactivity change of crystalline trypsin during compression by chemoinformatics and 2-D Fourier-transform infrared spectroscopy. <i>Analyst, The</i> , 2006, 131, 1116.	1.7	10
170	Determination of Cephalexin Crystallinity and Investigation of Formation of its Amorphous Solid by Chemoinformetrical near Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2006, 14, 9-16.	0.8	10
171	Chemoinformetrical evaluation of granule and tablet properties of pharmaceutical preparations by near-infrared spectroscopy. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 82, 109-114.	1.8	15
172	An accurate quantitative analysis of polymorphs based on artificial neural networks. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 49, 153-157.	2.5	9
173	Effect of pulverization and dehydration on the pharmaceutical properties of calcium lactate pentahydrate tablets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 51, 149-156.	2.5	6
174	A novel white film for pharmaceutical coating formed by interaction of calcium lactate pentahydrate with hydroxypropyl methylcellulose. <i>International Journal of Pharmaceutics</i> , 2006, 317, 120-126.	2.6	30
175	Kinetic study of the transformation of mefenamic acid polymorphs in various solvents and under high humidity conditions. <i>International Journal of Pharmaceutics</i> , 2006, 321, 18-26.	2.6	52
176	Effect of nanostructure on biodegradation behaviors of self-setting apatite/collagen composite cements containing vitamin K2 in rats. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 79B, 176-184.	1.6	23
177	Prediction of Tablet Hardness Based on Near Infrared Spectra of Raw Mixed Powders by Chemometrics. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1425-1433.	1.6	53
178	Polymorphic Transformation of Indomethacin Under High Pressures**The previous affiliation when this study was done, Organic Synthesis Research Laboratory, Sumitomo Chemical Co., Ltd. 3-1-98, Kasugade-naka, Konohana-ku, Osaka 554-8558, Japan.. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 689-700.	1.6	55
179	Therapeutic Effect of Selected Biomaterials (Mg/Zn/F-CaPs, Administered by Injection) on Bone Properties of Ovariectomized Rats. <i>Key Engineering Materials</i> , 2006, 309-311, 243-246.	0.4	2
180	International harmonization of generic drugs: in vitro dissolution tests for Japanese and American generic tablets. <i>Bio-Medical Materials and Engineering</i> , 2006, 16, 129-35.	0.4	1

#	ARTICLE	IF	CITATIONS
181	A comparative study of the metastable equilibrium solubility behavior of high-crystallinity and low-crystallinity carbonated apatites using pH and solution strontium as independent variables. <i>Journal of Colloid and Interface Science</i> , 2005, 289, 14-25.	5.0	20
182	Effect of pulverization of the bulk powder on the hydration of creatine anhydrate tablets and their pharmaceutical properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 46, 92-100.	2.5	8
183	Characterization of dehydration and hydration behavior of calcium lactate pentahydrate and its anhydrate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 46, 135-141.	2.5	20
184	Effect of tablet geometrical structure on the dehydration of creatine monohydrate tablets, and their pharmaceutical properties. <i>AAPS PharmSciTech</i> , 2005, 6, E527-E535.	1.5	6
185	Two-dimensional correlation spectroscopy as a tool for analyzing vibrational images. <i>Vibrational Spectroscopy</i> , 2005, 37, 217-224.	1.2	20
186	A Novel Standard Sample Powder Preparation Method for Quantitative Analysis of Polymorphs. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 1013-1023.	1.6	15
187	Zinc-containing tricalcium phosphate and related materials for promoting bone formation. <i>Current Applied Physics</i> , 2005, 5, 402-406.	1.1	122
188	Evaluation of the Microcrystallinity of a Drug Substance, Indomethacin, in a Pharmaceutical Model Tablet by Chemometric FT-Raman Spectroscopy. <i>Pharmaceutical Research</i> , 2005, 22, 1350-1357.	1.7	46
189	Bone Regeneration by Using Drug Delivery System Technology and Apatite Intelligent Materials. <i>Journal of Hard Tissue Biology</i> , 2005, 14, 261-262.	0.2	2
190	Comparative particle size determination of phenacetin bulk powder by using Kubelka-Munk theory and principal component regression analysis based on near-infrared spectroscopy. <i>Powder Technology</i> , 2004, 141, 244-250.	2.1	111
191	Effects of lubricant mixing on compression properties of various kinds of direct compression excipients and physical properties of the tablets. <i>Advanced Powder Technology</i> , 2004, 15, 477-493.	2.0	30
192	Hydrolysis and cytocompatibility of zinc-containing $\beta$ -tricalcium phosphate powder. <i>Materials Science and Engineering C</i> , 2004, 24, 709-715.	3.8	23
193	Effect of controlled zinc release on bone mineral density from injectable Zn-containing $\beta$ -tricalcium phosphate suspension in zinc-deficient diseased rats. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 69A, 552-560.	3.0	44
194	Effect of Relative Humidity on the Photocatalytic Activity of Titanium Dioxide and Photostability of Famotidine. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 582-589.	1.6	54
195	Evaluation of photostability of solid-state nicardipine hydrochloride polymorphs by using Fourier-transformed reflection-absorption infrared spectroscopy: effect of grinding on the photostability of crystal form. <i>International Journal of Pharmaceutics</i> , 2004, 286, 1-8.	2.6	27
196	Effect of temperature and kneading solution on polymorphic transformation of mefenamic acid during granulation. <i>Solid State Ionics</i> , 2004, 172, 451-453.	1.3	19
197	Characterization of dehydration behavior of untreated and pulverized creatine monohydrate powders. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 35, 185-191.	2.5	5
198	Effect of pulverization on hydration kinetic behaviors of creatine anhydrate powders. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 39, 187-193.	2.5	3

#	ARTICLE	IF	CITATIONS
199	Time-controlled pulse-drug release from dry-coated wax matrix tablets for colon drug delivery. <i>Bio-Medical Materials and Engineering</i> , 2004, 14, 293-301.	0.4	5
200	Effect of surface modification on hydration kinetics of carbamazepine anhydrate using isothermal microcalorimetry. <i>AAPS PharmSciTech</i> , 2003, 4, 33-41.	1.5	15
201	Comparative determination of polymorphs of indomethacin in powders and tablets by chemometrical near-infrared spectroscopy and X-ray powder diffractometry. <i>AAPS PharmSciTech</i> , 2003, 4, 58-69.	1.5	41
202	Chemometric evaluation of pharmaceutical properties of antipyrine granules by near-infrared spectroscopy. <i>AAPS PharmSciTech</i> , 2003, 4, 142-148.	1.5	40
203	Effect of particle size on zinc release from zinc containing tricalcium phosphate (ZnTCP) in Zn-deficient osteoporosis rats. <i>Bio-Medical Materials and Engineering</i> , 2003, 13, 103-113.	0.4	3
204	Effect of Humidity Condition on Tableting Compression Characteristics of Water-soluble Lubricants: Sodium Lauryl Sulfate.. <i>Journal of the Society of Powder Technology, Japan</i> , 2002, 39, 90-95.	0.0	2
205	Effect of surface-modification on hydration kinetics of nitrofurantoin anhydrate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 23, 73-82.	2.5	11
206	The effect of humidity on dehydration behavior of nitrofurantoin monohydrate studied by humidity controlled simultaneous instrument for X-ray Diffractometry and Differential Scanning Calorimetry (XRD&DSC). <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 25, 281-291.	2.5	23
207	Zinc-releasing calcium phosphate for stimulating bone formation. <i>Materials Science and Engineering C</i> , 2002, 22, 21-25.	3.8	244
208	Therapeutic effect of in vivo sustained estradiol release from poly (lactide-co-glycolide) microspheres on bone mineral density of osteoporosis rats. <i>Bio-Medical Materials and Engineering</i> , 2002, 12, 157-67.	0.4	6
209	Determination of indomethacin polymorphic contents by chemometric near-infrared spectroscopy and conventional powder X-ray diffractometry. <i>Analyst, The</i> , 2001, 126, 1578-1582.	1.7	59
210	Effects of ceramic component on cephalexin release from bioactive bone cement consisting of Bis-GMA/TEGDMA resin and bioactive glass ceramics. <i>Bio-Medical Materials and Engineering</i> , 2001, 11, 11-22.	0.4	1
211	Calcium level-responsive in-vitro zinc release from zinc containing tricalcium phosphate (ZnTCP). <i>Journal of Biomedical Materials Research Part B</i> , 2000, 52, 819-824.	3.0	40
212	Sustained release of $17\beta$ -estradiol from poly (lactide-co-glycolide) microspheres in vitro and in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000, 17, 153-165.	2.5	37
213	Effect of binders on polymorphic transformation kinetics of carbamazepine in aqueous solution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000, 17, 145-152.	2.5	46
214	Calcium-level responsive controlled drug delivery from implant dosage forms to treat osteoporosis in an animal model. <i>Advanced Drug Delivery Reviews</i> , 2000, 42, 249-258.	6.6	14
215	Solid dosage form preparations from oily medicines and their drug release. Effect of degree of surface-modification of silica gel on the drug release from phytonadione-loaded silica gels. <i>Journal of Controlled Release</i> , 2000, 67, 369-384.	4.8	38
216	Comparative evaluation of the degree of indomethacin crystallinity by chemoinfometrical fourie-transformed near-infrared spectroscopy and conventional powder X-ray diffractometry. <i>AAPS PharmSci</i> , 2000, 2, 80-87.	1.3	44

#	ARTICLE	IF	CITATIONS
217	Effect of environmental humidity on the transformation pathway of carbamazepine polymorphic modifications during grinding. <i>Colloids and Surfaces B: Biointerfaces</i> , 1999, 13, 263-273.	2.5	39
218	Structural change of Fe <sup>2+</sup> -Ti multilayer during annealing in vacuum and hydrogen atmosphere. <i>International Journal of Hydrogen Energy</i> , 1999, 24, 891-898.	3.8	11
219	Evaluation of photostability of solid-state dimethyl 1,4-dihydro-2,6-dimethyl-4-(2-nitro-phenyl)-3,5-pyridinedicarboxylate by using Fourier-transformed reflection-absorption infrared spectroscopy. <i>International Journal of Pharmaceutics</i> , 1999, 184, 35-43.	2.6	40
220	Metastable Equilibrium Solubility Behavior of Bone Mineral. <i>Calcified Tissue International</i> , 1999, 64, 329-339.	1.5	36
221	Effects of water-soluble component content on cephalexin release from bioactive bone cement consisting of bis-GMA/TEGDMA resin and bioactive glass ceramics. <i>Journal of Materials Science: Materials in Medicine</i> , 1999, 10, 59-64.	1.7	3
222	Relationships Among Carbonated Apatite Solubility, Crystallite Size, and Microstrain Parameters. <i>Calcified Tissue International</i> , 1999, 64, 437-449.	1.5	175
223	Metastable Equilibrium Solubility Distribution of Carbonated Apatite as a Function of Solution Composition. <i>Journal of Colloid and Interface Science</i> , 1999, 218, 57-67.	5.0	36
224	Effect of Polymorphic Forms of Bulk Powders on Pharmaceutical Properties of Carbamazepine Granules.. <i>Chemical and Pharmaceutical Bulletin</i> , 1999, 47, 852-856.	0.6	45
225	Effect of geometrical cement size on in vitro and in vivo indomethacin release from self-setting apatite cement. <i>Journal of Controlled Release</i> , 1998, 52, 281-289.	4.8	36
226	Dissolution improvement of water-insoluble glybuzole by co-grinding and co-melting with surfactants and their physicochemical properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 1998, 10, 217-226.	2.5	15
227	Combined Effects of Laser Irradiation/Solution Fluoride Ion on Enamel Demineralization. <i>Photomedicine and Laser Surgery</i> , 1998, 16, 93-105.	1.1	43
228	Effect of Polymorphic Transformation During the Extrusion-Granulation Process on the Pharmaceutical Properties of Carbamazepine Granules.. <i>Chemical and Pharmaceutical Bulletin</i> , 1997, 45, 894-898.	0.6	66
229	A novel skeletal drug delivery system using self-setting calcium phosphate cement VIII: the relationship between in vitro and in vivo drug release from indomethacin-containing cement. <i>Journal of Controlled Release</i> , 1997, 43, 115-122.	4.8	39
230	Effect of sodium bicarbonate amount on in vitro indomethacin release from self-setting carbonated-apatite cement. <i>Pharmaceutical Research</i> , 1997, 14, 444-449.	1.7	12
231	Antibiotic delivery system using bioactive bone cement consisting of Bis-GMA/TEGDMA resin and bioactive glass ceramics. <i>Biomaterials</i> , 1997, 18, 1559-1564.	5.7	22
232	The in vitro and in vivo indomethacin release from self-setting bioactive glass bone cement. <i>Bio-Medical Materials and Engineering</i> , 1997, 7, 291-302.	0.4	1
233	Preparation of Amorphous and Polymorph Piretanide and Their Physicochemical Properties and Solubilities.. <i>Chemical and Pharmaceutical Bulletin</i> , 1996, 44, 1614-1617.	0.6	4
234	Dissolution Phenomenon of the Piretanide Amorphous Form Involving Phase Change.. <i>Chemical and Pharmaceutical Bulletin</i> , 1996, 44, 2111-2115.	0.6	7

#	ARTICLE	IF	CITATIONS
235	Effect of Carbonate Content and Crystallinity on the Metastable Equilibrium Solubility Behavior of Carbonated Apatites. <i>Journal of Colloid and Interface Science</i> , 1996, 179, 608-617.	5.0	66
236	Calculation of Intercrystalline Solution Composition during in Vitro Subsurface Lesion Formation in Dental Minerals. <i>Journal of Pharmaceutical Sciences</i> , 1996, 85, 117-128.	1.6	9
237	Comparative Evaluation of Mean Particle Size of Bulk Drug Powder in Pharmaceutical Preparations by Fourier-Transformed Powder Diffuse Reflectance Infrared Spectroscopy and Dissolution Kinetics. <i>Journal of Pharmaceutical Sciences</i> , 1996, 85, 112-116.	1.6	14
238	Skeletal Drug Delivery System using Bioactive Self-setting Cement.. <i>Journal of the Society of Powder Technology, Japan</i> , 1995, 32, 176-179.	0.0	0
239	Dissolution Behavior of Piretanide Polymorphs at Various Temperatures and pHs.. <i>Chemical and Pharmaceutical Bulletin</i> , 1995, 43, 1966-1969.	0.6	5
240	Programmable Drug Release of Highly Water-Soluble Pentoxifylline from Dry-Coated Wax Matrix Tablets. <i>Journal of Pharmaceutical Sciences</i> , 1995, 84, 443-447.	1.6	12
241	Effect of Compression Temperature on the Consolidation Mechanism of Chlorpropamide Polymorphs. <i>Journal of Pharmaceutical Sciences</i> , 1995, 84, 614-618.	1.6	28
242	A Novel Skeletal Drug Delivery System Using Self-Setting Calcium Phosphate Cement. 9: Effects of the Mixing Solution Volume on Anticancer Drug Release from Homogeneous Drug-Loaded Cement. <i>Journal of Pharmaceutical Sciences</i> , 1995, 84, 733-736.	1.6	41
243	Effect of Cogrounding with Various Kinds of Surfactants on the Dissolution Behavior of Phenytoin. <i>Journal of Pharmaceutical Sciences</i> , 1995, 84, 1434-1437.	1.6	25
244	Effect of particle size of metastable calcium phosphates on mechanical strength of a novel self-setting bioactive calcium phosphate cement. <i>Journal of Biomedical Materials Research Part B</i> , 1995, 29, 25-32.	3.0	63
245	Drug release from a novel self-setting bioactive glass bone cement containing cephalexin and its physicochemical properties. <i>Journal of Biomedical Materials Research Part B</i> , 1995, 29, 33-38.	3.0	25
246	Metastable Equilibrium Solubility Distribution and Dissolution Kinetics of Carbonate Apatite Powders. , 1995, , 231-250.		5
247	Heat-treatment-induced Reduction in the Apparent Solubility of Human Dental Enamel. <i>Journal of Dental Research</i> , 1994, 73, 1848-1852.	2.5	27
248	A Novel Skeletal Drug-Delivery System Using Self-Setting Calcium Phosphate Cement. 3. Physicochemical Properties and Drug-Release Rate of Bovine Insulin and Bovine Albumin. <i>Journal of Pharmaceutical Sciences</i> , 1994, 83, 255-258.	1.6	61
249	A Novel Skeletal Drug-Delivery System Using Self-Setting Calcium Phosphate Cement. 4. Effects of the Mixing Solution Volume on the Drug-Release Rate of Heterogeneous Aspirin-Loaded Cement. <i>Journal of Pharmaceutical Sciences</i> , 1994, 83, 259-263.	1.6	54
250	A Novel Skeletal Drug Delivery System Using Self-Setting Calcium Phosphate Cement. 2. Physicochemical Properties and Drug Release Rate of the Cement-Containing Indomethacin. <i>Journal of Pharmaceutical Sciences</i> , 1994, 83, 611-615.	1.6	54
251	Effect of Cogrounding Time on the Release of Pentoxifylline from Waxy Matrix Tablets. <i>Journal of Pharmaceutical Sciences</i> , 1994, 83, 956-961.	1.6	13
252	A Novel Skeletal Drug Delivery System Using a Self-Setting Calcium Phosphate Cement. 5 Drug Release Behavior from a Heterogeneous Drug-Loaded Cement Containing an Anticancer Drug. <i>Journal of Pharmaceutical Sciences</i> , 1994, 83, 1565-1568.	1.6	68

#	ARTICLE	IF	CITATIONS
253	A Novel Skeletal Drug Delivery System Using Self-Setting Calcium Phosphate Cement. 7. Effect of Biological Factors on Indomethacin Release from the Cement Loaded on Bovine Bone. <i>Journal of Pharmaceutical Sciences</i> , 1994, 83, 1569-1573.	1.6	34
254	Metastable Equilibrium Solubility Behavior of Carbonated Apatites. <i>Journal of Colloid and Interface Science</i> , 1994, 167, 414-423.	5.0	33
255	Quantitative Relationship between Carbonated Apatite Metastable Equilibrium Solubility and Dissolution Kinetics. <i>Journal of Colloid and Interface Science</i> , 1994, 168, 356-372.	5.0	20
256	A novel skeletal drug delivery system using self-setting bioactive glass bone cement. III: the in vitro drug release from bone cement containing indomethacin and its physicochemical properties. <i>Journal of Controlled Release</i> , 1994, 31, 111-119.	4.8	16
257	Controlled drug release of highly water-soluble pentoxifylline from time-limit disintegration-type wax matrix tablets. <i>Pharmaceutical Research</i> , 1994, 11, 351-352.	1.7	19
258	Chemical stability of ethyl icosapentate against autoxidation. II. Effect of photoirradiation on oxidation kinetics. <i>Pharmaceutical Research</i> , 1994, 11, 1077-1081.	1.7	5
259	Effect of Amount of Added Water During Extrusion-Spheronization Process on Pharmaceutical Properties of Granules. <i>Drug Development and Industrial Pharmacy</i> , 1994, 20, 2977-2992.	0.9	23
260	Preparation of Piretanide Polymorphs and Their Physicochemical Properties and Dissolution Behaviors.. <i>Chemical and Pharmaceutical Bulletin</i> , 1994, 42, 1123-1128.	0.6	10
261	The Effect of Humidity on Hydration Kinetics of Mixtures of Nitrofurantoin Anhydride and Diluents.. <i>Chemical and Pharmaceutical Bulletin</i> , 1994, 42, 156-159.	0.6	21
262	Dissolution Behavior of Phenytoin-Bile Salt Complexes Prepared by Co-grinding.. <i>Chemical and Pharmaceutical Bulletin</i> , 1994, 42, 2382-2384.	0.6	6
263	Mechanochemical Synthesis of Bioactive Material: Effect of Environmental Conditions on the Phase Transformation of Calcium Phosphates During Grinding. <i>Bio-Medical Materials and Engineering</i> , 1994, 4, 357-362.	0.4	16
264	Mechanochemical synthesis of bioactive material: effect of environmental conditions on the phase transformation of calcium phosphates during grinding. <i>Bio-Medical Materials and Engineering</i> , 1994, 4, 357-62.	0.4	3
265	Hygroscopic stability and dissolution properties of spray-dried solid dispersions of furosemide with eudragit. <i>Journal of Pharmaceutical Sciences</i> , 1993, 82, 32-38.	1.6	36
266	Effects of Temperature and Relative Humidity on the Solid-State Chemical Stability of Ranitidine Hydrochloride. <i>Journal of Pharmaceutical Sciences</i> , 1993, 82, 601-604.	1.6	39
267	Physicochemical stability of phenobarbital polymorphs at various levels of humidity and temperature. <i>Pharmaceutical Research</i> , 1993, 10, 577-582.	1.7	36
268	Effects of Mixer and Mixing Time on the Pharmaceutical Properties of Theophylline Tablets Containing Various Kinds of Lactose as Diluents. <i>Drug Development and Industrial Pharmacy</i> , 1993, 19, 333-348.	0.9	23
269	The Effect of Mixing of Lubricant in Pharmaceutical Formulations by High-speed Mixer and Twin-shell Mixer on Pharmaceutical Properties of Tabelets.. <i>Journal of the Society of Powder Technology, Japan</i> , 1993, 30, 423-428.	0.0	0
270	Paticle size effect of metastable calcium phosphates on crushing strength of self- setting bioactive calcium phosphate cement.. <i>Chemical and Pharmaceutical Bulletin</i> , 1993, 41, 2055-2057.	0.6	12

#	ARTICLE	IF	CITATIONS
271	A novel skeletal drug delivery system using self-setting bioactive glass bone cement. IV: Cephalexin release from cement containing polymer-coated bulk powder. <i>Bio-Medical Materials and Engineering</i> , 1993, 3, 229-36.	0.4	0
272	Combined Effects of Laser Irradiation and Chemical Inhibitors on the Dissolution of Dental Enamel. <i>Caries Research</i> , 1992, 26, 333-339.	0.9	92
273	Initial Dissolution Rate Studies on Dental Enamel after CO2 Laser Irradiation. <i>Journal of Dental Research</i> , 1992, 71, 1389-1398.	2.5	72
274	New skeletal drug delivery system containing antibiotics using self-setting bioactive glass cement.. <i>Chemical and Pharmaceutical Bulletin</i> , 1992, 40, 3346-3348.	0.6	4
275	Effect of Sucrose Content on Aspirin Release from Wax Matrix Tablet In Vitro. <i>The Showa University Journal of Medical Sciences</i> , 1992, 4, 1-5.	0.1	0
276	Chemical stability of ethyl icosapentate against autoxidation. I. Effect of temperature on oxidation kinetics. <i>Pharmaceutical Research</i> , 1992, 09, 1673-1676.	1.7	10
277	Rotating-disk dissolution kinetics of nitrofurantoin anhydrate and monohydrate at various temperatures. <i>Pharmaceutical Research</i> , 1992, 09, 307-311.	1.7	20
278	Self-Setting Hydroxyapatite Cement: A Novel Skeletal Drug Delivery System for Antibiotics. <i>Journal of Pharmaceutical Sciences</i> , 1992, 81, 529-531.	1.6	120
279	Effect of Geometric Factors on Hydration Kinetics of Theophylline Anhydrate Tablets. <i>Journal of Pharmaceutical Sciences</i> , 1992, 81, 1189-1193.	1.6	18
280	Physicochemical Properties of Nitrofurantoin Anhydrate and Monohydrate and Their Dissolution.. <i>Chemical and Pharmaceutical Bulletin</i> , 1991, 39, 2667-2670.	0.6	24
281	Effect of CO2 Laser Irradiation on the Surface Hardness of Self-Setting Hydroxyapatite Cement.. <i>Chemical and Pharmaceutical Bulletin</i> , 1991, 39, 2753-2755.	0.6	2
282	Physicochemical stability of nitrofurantoin anhydrate and monohydrate under various temperature and humidity conditions. <i>Pharmaceutical Research</i> , 1991, 08, 1066-1068.	1.7	29
283	A novel skeletal drug delivery system for anti-bacterial drugs using self-setting hydroxyapatite cement.. <i>Chemical and Pharmaceutical Bulletin</i> , 1990, 38, 3500-3502.	0.6	63
284	Characterization of nitrofurantoin anhydrate and monohydrate, and their dissolution behaviors.. <i>Chemical and Pharmaceutical Bulletin</i> , 1990, 38, 833-835.	0.6	10
285	Dissolution behavior of indometacin polymorphs.. <i>Journal of the Society of Powder Technology, Japan</i> , 1990, 27, 11-17.	0.0	1
286	Effect of Laser Irradiation on the Dissolution Kinetics of Hydroxyapatite Preparations. <i>Journal of Pharmaceutical Sciences</i> , 1990, 79, 510-515.	1.6	29
287	The influence of EHDP on the dissolution rate behavior of heat-treated and non-heat-treated hydroxyapatites. <i>Journal of Colloid and Interface Science</i> , 1989, 129, 308-314.	5.0	3
288	Quantitative investigation on mechanochemical transformation of chlorpropamide polymorphs during compression process.. <i>Journal of the Society of Powder Technology, Japan</i> , 1989, 26, 430-432.	0.0	1

#	ARTICLE	IF	CITATIONS
289	Dissolution behaviour of phenylbutagone polymorphs.. Journal of the Society of Powder Technology, Japan, 1989, 26, 651-658.	0.0	0
290	The dehydration kinetics of theophylline monohydrate powder and tablet.. Chemical and Pharmaceutical Bulletin, 1988, 36, 4914-4920.	0.6	20
291	Effect of environmental temperature on the polymorphic transformation of phenylbutazone during grinding.. Chemical and Pharmaceutical Bulletin, 1988, 36, 1074-1085.	0.6	23
292	A kinetic study of the crystallization process of noncrystalline indomethacin under isothermal conditions.. Chemical and Pharmaceutical Bulletin, 1988, 36, 4026-4032.	0.6	65
293	The influence of dodecylamine hydrochloride adsorption on the dissolution rate behavior of heat-treated and non-heat-treated hydroxyapatite. Colloids and Surfaces, 1987, 26, 79-87.	0.9	4
294	Effect of environmental temperature on polymorphic solid-state transformation of indomethacin during grinding.. Chemical and Pharmaceutical Bulletin, 1986, 34, 1784-1793.	0.6	104
295	Effect of Seed Crystals on Solid-State Transformation of Polymorphs of Chloramphenicol Palmitate During Grinding <sup>1</sup> . Journal of Pharmaceutical Sciences, 1986, 75, 506-511.	1.6	72
296	Effect of tableting on the degree of crystallinity and on the dehydration and decomposition points of cephalexin crystalline powder.. Chemical and Pharmaceutical Bulletin, 1985, 33, 802-809.	0.6	29
297	Effect of grinding on the transformations of polymorphs of chloramphenicol palmitate.. Chemical and Pharmaceutical Bulletin, 1985, 33, 1660-1668.	0.6	60
298	Effect of tableting compression on the physicochemical properties of cephalexin powder.. Journal of the Society of Powder Technology, Japan, 1985, 22, 220-230.	0.0	0
299	Physicochemical characterization of indomethacin polymorphs and the transformation kinetics in ethanol.. Chemical and Pharmaceutical Bulletin, 1985, 33, 3447-3455.	0.6	151
300	Title is missing!. Journal of the Society of Powder Technology, Japan, 1984, 21, 546-552.	0.0	0
301	Effects of grinding on the physicochemical properties of cephalexin powder.. Chemical and Pharmaceutical Bulletin, 1984, 32, 1071-1079.	0.6	61
302	The interaction between water and cephalexin in the crystalline and noncrystalline states.. Chemical and Pharmaceutical Bulletin, 1984, 32, 4551-4559.	0.6	17
303	Compression properties of cephalexin powder and physical properties of the tablet.. Chemical and Pharmaceutical Bulletin, 1984, 32, 4986-4993.	0.6	14
304	Effect of grinding on the degree of crystallinity of cephalexin powder.. Chemical and Pharmaceutical Bulletin, 1983, 31, 4489-4495.	0.6	56
305	Dehydration of cephalexin hydrates.. Chemical and Pharmaceutical Bulletin, 1983, 31, 1021-1029.	0.6	20
306	Hygroscopicity and solubility of noncrystalline cephalexin.. Chemical and Pharmaceutical Bulletin, 1983, 31, 230-236.	0.6	30

#	ARTICLE	IF	CITATIONS
307	The Controlled Release of Simvastatin from Biomimetic Macrospheres. Key Engineering Materials, 0, 529-530, 461-464.	0.4	0
308	Development of Controllable Simvastatin-Releasing PLGA/ $\beta$ -TCP Composite Microspheres Sintered Scaffolds as Synthetic Bone Substitutes. Key Engineering Materials, 0, 758, 126-131.	0.4	0
309	Preparation and Evaluation of Spray-Dried Nano-Hydroxyapatite/Saccharide Complex for Oral Administration. Key Engineering Materials, 0, 782, 124-128.	0.4	1