

Tonglei Li

List of Publications by Citations

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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.

97 papers	1,950 citations	24 h-index	41 g-index
116 ext. papers	2,345 ext. citations	5.1 avg, IF	5.36 L-index

#	Paper	IF	Citations
97	Biodistribution and bioimaging studies of hybrid paclitaxel nanocrystals: lessons learned of the EPR effect and image-guided drug delivery. <i>Journal of Controlled Release</i> , 2013 , 172, 12-21	11.7	134
96	Pulmonary delivery of nanoparticle chemotherapy for the treatment of lung cancers: challenges and opportunities. <i>Acta Pharmacologica Sinica</i> , 2017 , 38, 782-797	8	117
95	Preparation and antitumor study of camptothecin nanocrystals. <i>International Journal of Pharmaceutics</i> , 2011 , 415, 293-300	6.5	110
94	Predicting Lattice Energy of Organic Crystals by Density Functional Theory with Empirically Corrected Dispersion Energy. <i>Journal of Chemical Theory and Computation</i> , 2006 , 2, 149-56	6.4	87
93	Biocatalytic synthesis of vanillin. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 684-7	4.8	78
92	Developing nanocrystals for cancer treatment. <i>Nanomedicine</i> , 2015 , 10, 2537-52	5.6	77
91	Development and evaluation of transferrin-stabilized paclitaxel nanocrystal formulation. <i>Journal of Controlled Release</i> , 2014 , 176, 76-85	11.7	76
90	Purification, characterization, and properties of an aryl aldehyde oxidoreductase from <i>Nocardia</i> sp. strain NRRL 5646. <i>Journal of Bacteriology</i> , 1997 , 179, 3482-7	3.5	60
89	Hybrid nanocrystals: achieving concurrent therapeutic and bioimaging functionalities toward solid tumors. <i>Molecular Pharmaceutics</i> , 2011 , 8, 1985-91	5.6	59
88	Solid-State Spectroscopic Investigation of Molecular Interactions between Clofazimine and Hypromellose Phthalate in Amorphous Solid Dispersions. <i>Molecular Pharmaceutics</i> , 2016 , 13, 3964-3975	5.6	54
87	Polymorph formation and nucleation mechanism of tolafenamic acid in solution: an investigation of pre-nucleation solute association. <i>Pharmaceutical Research</i> , 2012 , 29, 460-70	4.5	50
86	Hybrid drug nanocrystals. <i>Advanced Drug Delivery Reviews</i> , 2019 , 143, 115-133	18.5	49
85	Polymorphism and Phase Behaviors of 2-(Phenylamino)nicotinic Acid. <i>Crystal Growth and Design</i> , 2008 , 8, 4006-4013	3.5	44
84	In vivo investigation of hybrid Paclitaxel nanocrystals with dual fluorescent probes for cancer theranostics. <i>Pharmaceutical Research</i> , 2014 , 31, 1450-9	4.5	40
83	Empirically augmented density functional theory for predicting lattice energies of aspirin, acetaminophen polymorphs, and ibuprofen homochiral and racemic crystals. <i>Pharmaceutical Research</i> , 2006 , 23, 2326-32	4.5	40
82	Preparation and evaluation of carboxymethyl chitosan-rhein polymeric micelles with synergistic antitumor effect for oral delivery of paclitaxel. <i>Carbohydrate Polymers</i> , 2019 , 206, 121-131	10.3	40
81	Epithelia transmembrane transport of orally administered ultrafine drug particles evidenced by environment sensitive fluorophores in cellular and animal studies. <i>Journal of Controlled Release</i> , 2018 , 270, 65-75	11.7	36

80	Impact of surfactant treatment of paclitaxel nanocrystals on biodistribution and tumor accumulation in tumor-bearing mice. <i>Journal of Controlled Release</i> , 2016 , 237, 168-76	11.7	34
79	Cellular Uptake Mechanism of Paclitaxel Nanocrystals Determined by Confocal Imaging and Kinetic Measurement. <i>AAPS Journal</i> , 2015 , 17, 1126-34	3.7	33
78	Controlled Formation of the AcidPyridine Heterosynthon over the AcidAcid Homosynthon in 2-Anilinicnicotinic Acids. <i>Crystal Growth and Design</i> , 2009 , 9, 4993-4997	3.5	31
77	Nanoparticle-Mediated Cytoplasmic Delivery of MessengerRNA Vaccines: Challenges and Future Perspectives. <i>Pharmaceutical Research</i> , 2021 , 38, 473-478	4.5	29
76	Polymorphism of an Organic System Effected by the Directionality of Hydrogen-Bonding Chains. <i>Crystal Growth and Design</i> , 2008 , 8, 3137-3140	3.5	28
75	Development of carrier-free nanocrystals of poorly water-soluble drugs by exploring metastable zone of nucleation. <i>Acta Pharmaceutica Sinica B</i> , 2019 , 9, 118-127	15.5	27
74	Exploring intracellular fate of drug nanocrystals with crystal-integrated and environment-sensitive fluorophores. <i>Journal of Controlled Release</i> , 2017 , 267, 214-222	11.7	27
73	Pharmacokinetics and treatment efficacy of camptothecin nanocrystals on lung metastasis. <i>Molecular Pharmaceutics</i> , 2014 , 11, 226-33	5.6	24
72	Enforcing MoleculeConjugation and Consequent Formation of the AcidAcid Homosynthon over the AcidPyridine Heterosynthon in 2-Anilinicnicotinic Acids. <i>Crystal Growth and Design</i> , 2010 , 10, 2465-2469	3.5	24
71	Persistent Self-Association of Solute Molecules in Solution. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 10118-10124	3.4	23
70	Fractal analysis of pharmaceutical particles by atomic force microscopy. <i>Pharmaceutical Research</i> , 1998 , 15, 1222-32	4.5	23
69	Interplay between molecular conformation and intermolecular interactions in conformational polymorphism: a molecular perspective from electronic calculations of tolafenamic acid. <i>International Journal of Pharmaceutics</i> , 2011 , 418, 179-86	6.5	22
68	Dissolution Study on Aspirin and Glycine Crystals. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 11219-11227	3.4	22
67	Electronic origin of pyridinyl N as a better hydrogen-bonding acceptor than carbonyl O. <i>CrystEngComm</i> , 2011 , 13, 6356	3.3	21
66	GlycinepH-Dependent Polymorphism: A Perspective from Self-Association in Solution. <i>Crystal Growth and Design</i> , 2017 , 17, 5028-5033	3.5	20
65	Two Major Pre-Nucleation Species that are Conformationally Distinct and in Equilibrium of Self-Association. <i>Crystal Growth and Design</i> , 2013 , 13, 3303-3307	3.5	19
64	Higher-Order Self-Assembly of Benzoic Acid in Solution. <i>Crystal Growth and Design</i> , 2017 , 17, 5049-5053	3.5	19
63	Phase Transition from TwoZ ₂ = 1 Forms to aZ ₂ = 2 Form of a Concomitant Conformational Polymorphic System. <i>Crystal Growth and Design</i> , 2011 , 11, 414-421	3.5	19

62	Comparative stereochemical analysis of glucose-binding proteins for rational design of glucose-specific agents. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1998 , 9, 327-44	3.5	19
61	From Competition to Commensuration by Two Major Hydrogen-Bonding Motifs. <i>Crystal Growth and Design</i> , 2014 , 14, 27-31	3.5	18
60	Crystal Packing and Chemical Reactivity of Two Polymorphs of Flufenamic Acid with Ammonia. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 381, 121-131	0.5	18
59	Tautomeric Polymorphism of 4-Hydroxynicotinic Acid. <i>Crystal Growth and Design</i> , 2016 , 16, 2573-2580	3.5	17
58	Nucleation of Conformational Polymorphs: A Computational Study of Tolfenamic Acid by Explicit Solvation. <i>Crystal Growth and Design</i> , 2014 , 14, 2709-2713	3.5	16
57	Solid-state identity of 2-hydroxynicotinic acid and its polymorphism. <i>CrystEngComm</i> , 2015 , 17, 5195-5205	3.3	15
56	A statistical support for using spectroscopic methods to validate the content uniformity of solid dosage forms. <i>Journal of Pharmaceutical Sciences</i> , 2003 , 92, 1526-30	3.9	14
55	Polymorphism and solid-to-solid phase transitions of a simple organic molecule, 3-chloroisonicotinic acid. <i>CrystEngComm</i> , 2015 , 17, 2389-2397	3.3	13
54	NMR identification of an acyl-adenylate intermediate in the aryl-aldehyde oxidoreductase catalyzed reaction. <i>Journal of Biological Chemistry</i> , 1998 , 273, 34230-3	5.4	13
53	Integrating In Vitro, Modeling, and In Vivo Approaches to Investigate Warfarin Bioequivalence. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2017 , 6, 523-531	4.5	12
52	Kinetic Difference between Concomitant Polymorphism and Solvent-Mediated Phase Transformation: A Case of Tolfenamic Acid. <i>Crystal Growth and Design</i> , 2020 , 20, 1779-1788	3.5	12
51	Strong Hydrogen Bond Leads to a Fifth Crystalline Form and Polymorphism of Clonixin. <i>ChemistrySelect</i> , 2017 , 2, 4942-4950	1.8	11
50	Effects of Coating Materials and Processing Conditions on Flow Enhancement of Cohesive Acetaminophen Powders by High-Shear Processing With Pharmaceutical Lubricants. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 3022-3032	3.9	10
49	Intermolecular interactions in organic crystals: gaining insight from electronic structure analysis by density functional theory. <i>CrystEngComm</i> , 2014 , 16, 7162-7171	3.3	10
48	Local Concentrating, Not Shear Stress, That May Lead to Possible Instability of Protein Molecules During Syringe Injection: A Fluid Dynamic Study with Two-Phase Flow Model. <i>PDA Journal of Pharmaceutical Science and Technology</i> , 2019 , 73, 260-275	0.6	8
47	sp ² CH ₂ Cl hydrogen bond in the conformational polymorphism of 4-chloro-phenylanthranilic acid. <i>CrystEngComm</i> , 2017 , 19, 4345-4354	3.3	8
46	How Specific Interactions between Acetaminophen and Its Additive 4-Methylacetanilide Affect Growth Morphology: Elucidation Using Etching Patterns. <i>Crystal Growth and Design</i> , 2002 , 2, 185-189	3.5	7
45	Impact of Supramolecular Aggregation on the Crystallization Kinetics of Organic Compounds from the Supercooled Liquid State. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2126-2137	5.6	6

44	Substituent Electronegativity and Isostructurality in the Polymorphism of Clonixin Analogues. <i>Crystal Growth and Design</i> , 2018 , 18, 7006-7014	3.5	6
43	Gaining Thermodynamic Insight From Distinct Glass Formation Kinetics of Structurally Similar Organic Compounds. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 192-202	3.9	5
42	Crystal packing and crystallization tendency from the melt of 2-((2-ethylphenyl)amino)nicotinic acid. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018 , 233, 9-16	1	5
41	Understanding the Formation of Etching Patterns Using a Refined Monte Carlo Simulation Model. <i>Crystal Growth and Design</i> , 2002 , 2, 177-184	3.5	5
40	Evaluation of intestinal permeation enhancement with carboxymethyl chitosan-rhein polymeric micelles for oral delivery of paclitaxel. <i>International Journal of Pharmaceutics</i> , 2020 , 573, 118840	6.5	5
39	Form selection of concomitant polymorphs: A case study informed by crystallization kinetics modeling. <i>AIChE Journal</i> , 2021 , 67, e17129	3.6	5
38	Steric Effect Determines the Formation of Lactam-Lactam Dimers or Amide C=O...NH (Lactam) Chain Motifs in N-Phenyl-2-hydroxynicotinanilides. <i>Crystal Growth and Design</i> , 2020 , 20, 4346-4357	3.5	4
37	Exploring Molecular Speciation and Crystallization Mechanism of Amorphous 2-Phenylamino Nicotinic Acid. <i>Pharmaceutical Research</i> , 2018 , 35, 51	4.5	4
36	6-Oxo-1,6-dihydropyridine-3-carboxylic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o2784-o2784		4
35	N-(3-Chloro-2-methylphenyl)-2-oxo-1,2-dihydropyridine-3-carboxamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, o4278-o4279		4
34	Biodistribution and Non-linear Gene Expression of mRNA LNPs Affected by Delivery Route and Particle Size.. <i>Pharmaceutical Research</i> , 2022 , 39, 105	4.5	4
33	Paclitaxel Drug Delivery Systems: Focus on Nanocrystals' Surface Modifications.. <i>Polymers</i> , 2022 , 14,	4.5	4
32	An investigation of the polymorphism of a potent nonsteroidal anti-inflammatory drug flunixin. <i>CrystEngComm</i> , 2020 , 22, 448-457	3.3	4
31	Multiphysics Modeling and Simulation of Subcutaneous Injection and Absorption of Biotherapeutics: Model Development. <i>Pharmaceutical Research</i> , 2021 , 38, 607-624	4.5	4
30	Multiphysics Modeling and Simulation of Subcutaneous Injection and Absorption of Biotherapeutics: Sensitivity Analysis. <i>Pharmaceutical Research</i> , 2021 , 38, 1011-1030	4.5	4
29	Preparation and characterization of multimodal hybrid organic and inorganic nanocrystals of camptothecin and gold. <i>Acta Pharmaceutica Sinica B</i> , 2019 , 9, 128-134	15.5	4
28	Reactivity of triacetone triperoxide and diacetone diperoxide: Insights from nuclear Fukui function. <i>Frontiers of Chemical Science and Engineering</i> , 2015 , 9, 114-123	4.5	3
27	Structural Isomerization of 2-Anilininicotinic Acid Leads to a New Synthone in 6-Anilininicotinic Acids. <i>Crystal Growth and Design</i> , 2018 , 18, 4849-4859	3.5	3

26	Synthon Polymorphism and Stacking in N-Phenyl-2-hydroxynicotinanilides. <i>Crystal Growth and Design</i> , 2019 , 19, 3694-3703	3.5	3
25	Intracellular uptake of nanocrystals: Probing with aggregation-induced emission of fluorescence and kinetic modeling. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 1021-1029	15.5	3
24	Polymorphism and Phase Transitions 2018 , 169-221		3
23	Multiscale pharmacokinetic modeling of systemic exposure of subcutaneously injected biotherapeutics. <i>Journal of Controlled Release</i> , 2021 , 337, 407-416	11.7	3
22	Nanocrystals Production, Characterization, and Application for Cancer Therapy1		3
21	Locality and strength of intermolecular interactions in organic crystals: using conceptual density functional theory (CDFT) to characterize a highly polymorphic system. <i>Theoretical Chemistry Accounts</i> , 2019 , 138, 1	1.9	2
20	Preferential Oxycodone Loss of Physically Manipulated Abuse Deterrent Oxycodone HCl Extended Release Tablets Prepared for Nasal Insufflation Studies. <i>Pharmaceutical Research</i> , 2021 , 38, 1263-1278	4.5	2
19	Intermolecular Interactions and Computational Modeling 2018 , 123-167		2
18	Nucleation 2018 , 47-88		2
17	Effect of Substituent Size and Isomerization on the Polymorphism of 2-(Naphthalenylamino)-benzoic Acids. <i>Crystal Growth and Design</i> , 2019 , 19, 3694-3703	3.5	1
16	AFM and Fractal Analysis of Biomaterial Microtopography. <i>Microscopy and Microanalysis</i> , 1998 , 4, 926-927	0.5	1
15	Double substitution leads to a highly polymorphic system in 5-methyl-2-m-tolylamino-benzoic acid. <i>CrystEngComm</i> , 2021 , 24, 95-106	3.3	1
14	Crystalline Nanoparticles 2018 , 463-502		1
13	Measurement and Mathematical Relationships of Cocrystal Thermodynamic Properties 2018 , 223-271		1
12	A new solvate of clonixin and a comparison of the two clonixin solvates.. <i>RSC Advances</i> , 2021 , 11, 24836-24842	3.7	0
11	Zwitterion formation and subsequent carboxylatepyridinium NH synthon generation through isomerization of 2-anilonicotinic acid. <i>CrystEngComm</i> , 2018 , 20, 6126-6132	3.3	0
10	Solid-state Characterization Techniques 2018 , 89-121		0
9	Chemical Stability and Reaction 2018 , 427-461		0

8 Delivering anticancer drugs as carrier-free nanocrystals **2020**, 95-115

7 Book Reviews. Particle-Lung Infections, Lung Biology in Health and Disease Series, Volume 143. Peter Gehr and Joachim Heyder, Eds. Marcel Dekker, Inc., 270 Madison Avenue, New York, NY 1006-0602, <http://www.dekker.com>, 2000. xxi, 802 pp., illustrations. \$225.00. Design and Analysis of Bioavailability and Bioequivalence Studies, Second Edition Revised and Expanded. Shein-Chung

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6 Production and Analysis of High Resolution Polymer Replicas of Fibrillar Collagen. *Microscopy and Microanalysis*, **1999**, 5, 398-399 5.00. Su. *Pharmaceutical Research*, **2000**, 17, 1439-1442

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3 Primary Processing of Organic Crystals **2018**, 297-359

2 Secondary Processing of Organic Crystals **2018**, 361-426

1 Interaction Locality in Molecular Crystals **2022**, 503-532