# Lidia Tajber

List of Publications by Year
in descending order

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| 107 | 3,211 | 109137 | 182168 |
|---|---|---|---|
| papers | citations | 35 h-index | 51 g-index |

| 107 | 107 | 107 | 3773 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Dry powders for oral inhalation free of lactose carrier particles. Advanced Drug Delivery Reviews, 2014, 75, 32-52. | 6.6 | 172 |
| 2 | The vaccine adjuvant alum inhibits <scp>IL</scp>â€12 by promoting <scp>PI</scp>3 kinase signaling while chitosan does not inhibit <scp>IL</scp>â€12 and enhances <scp>T</scp>h1 and <scp>T</scp>h17 responses. European Journal of Immunology, 2012, 42, 2709-2719. | 1.6 | 124 |
| 3 | Comparative Study of Different Methods for the Prediction of Drugâ€“Polymer Solubility. Molecular Pharmaceutics, 2015, 12, 3408-3419. | 2.3 | 111 |
| 4 | A Comparison of Spray Drying and Milling in the Production of Amorphous Dispersions of Sulfathiazole/Polyvinylpyrrolidone and Sulfadimidine/Polyvinylpyrrolidone. Molecular Pharmaceutics, 2011, 8, 532-542. | 2.3 | 92 |
| 5 | Particle engineering of materials for oral inhalation by dry powder inhalers. Iâ€”Particles of sugar excipients (trehalose and raffinose) for protein delivery. International Journal of Pharmaceutics, 2011, 405, 23-35. | 2.6 | 84 |
| 6 | Molecular Dynamics and Physical Stability of Coamorphous Ezetimib and Indapamide Mixtures. Molecular Pharmaceutics, 2015, 12, 3610-3619. | 2.3 | 78 |
| 7 | Excipient-free nanoporous microparticles of budesonide for pulmonary delivery. European Journal of Pharmaceutical Sciences, 2009, 37, 593-602. | 1.9 | 72 |
| 8 | Formation and Physicochemical Properties of Crystalline and Amorphous Salts with Different Stoichiometries Formed between Ciprofloxacin and Succinic Acid. Molecular Pharmaceutics, 2013, 10, 3640-3654. | 2.3 | 72 |
| 9 | Amorphous Solid Dispersions of Sulfonamide/SoluplusÂ® and Sulfonamide/PVP Prepared by Ball Milling. AAPS PharmSciTech, 2013, 14, 464-474. | 1.5 | 69 |
| 10 | Physicochemical properties of tadalafil solid dispersions â€“ Impact of polymer on the apparent solubility and dissolution rate of tadalafil. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 106-115. | 2.0 | 67 |
| 11 | The Role of Mucin in the Toxicological Impact of Polystyrene Nanoparticles. Materials, 2018, 11, 724. | 1.3 | 65 |
| 12 | Physicochemical evaluation of PVPâ€“thiazide diuretic interactions in co-spray-dried compositesâ€”analysis of glass transition composition relationships. European Journal of Pharmaceutical Sciences, 2005, 24, 553-563. | 1.9 | 64 |
| 13 | Characterisation of excipient-free nanoporous microparticles (NPMPs) of bendroflumethiazide. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 1182-1186. | 2.0 | 64 |
| 14 | An intra-articular salmon calcitonin-based nanocomplex reduces experimental inflammatory arthritis. Journal of Controlled Release, 2013, 167, 120-129. | 4.8 | 60 |
| 15 | Optimisation of spray drying process conditions for sugar nanoporous microparticles (NPMPs) intended for inhalation. International Journal of Pharmaceutics, 2011, 421, 99-109. | 2.6 | 57 |
| 16 | Amorphous Polymeric Drug Salts as Ionic Solid Dispersion Forms of Ciprofloxacin. Molecular Pharmaceutics, 2017, 14, 2209-2223. | 2.3 | 56 |
| 17 | Pegylation Increases Platelet Biocompatibility of Gold Nanoparticles. Journal of Biomedical Nanotechnology, 2014, 10, 1004-1015. | 0.5 | 55 |
| 18 | The influence of amorphization methods on the apparent solubility and dissolution rate of tadalafil. European Journal of Pharmaceutical Sciences, 2014, 62, 132-140. | 1.9 | 55 |

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|---|---|---|---|
| 19 | Spray drying of budesonide, formoterol fumarate and their compositesâ€"II. Statistical factorial design and in vitro deposition properties. International Journal of Pharmaceutics, 2009, 367, 86-96. | 2.6 | 54 |
| 20 | Self-assembled carrageenan/protamine polyelectrolyte nanoplexesâ€"Investigation of critical parameters governing their formation and characteristics. Carbohydrate Polymers, 2015, 123, 339-349. | 5.1 | 51 |
| 21 | Photoconductivity of synthetic dopaâ€"melanin polymer. Journal of Photochemistry and Photobiology B: Biology, 2002, 66, 201-206. | 1.7 | 50 |
| 22 | Molecular Dynamics, Physical Stability and Solubility Advantage from Amorphous Indapamide Drug. Molecular Pharmaceutics, 2013, 10, 3612-3627. | 2.3 | 49 |
| 23 | Polymorphism in Sulfadimidine/4-Aminosalicylic Acid Cocrystals: Solid-State Characterization and Physicochemical Properties. Journal of Pharmaceutical Sciences, 2015, 104, 1385-1398. | 1.6 | 49 |
| 24 | Physical stability of solid dispersions with respect to thermodynamic solubility of tadalafil in PVP-VA. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 237-246. | 2.0 | 47 |
| 25 | Spray drying of budesonide, formoterol fumarate and their compositesâ€"I. Physicochemical characterisation. International Journal of Pharmaceutics, 2009, 367, 79-85. | 2.6 | 46 |
| 26 | Particle engineering of materials for oral inhalation by dry powder inhalers. IIâ€"Sodium cromoglicate. International Journal of Pharmaceutics, 2011, 405, 36-46. | 2.6 | 41 |
| 27 | Molecular Origin of Enhanced Proton Conductivity in Anhydrous Ionic Systems. Journal of the American Chemical Society, 2015, 137, 1157-1164. | 6.6 | 41 |
| 28 | Exploring the assembly process and properties of novel crosslinker-free hyaluronate-based polyelectrolyte complex nanocarriers. International Journal of Pharmaceutics, 2012, 436, 75-87. | 2.6 | 40 |
| 29 | Physicochemical properties of direct compression tablets with spray dried and ball milled solid dispersions of tadalafil in PVP-VA. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 109, 14-23. | 2.0 | 38 |
| 30 | Preparation and characterization of amorphous ciprofloxacin-amino acid salts. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 121, 73-89. | 2.0 | 38 |
| 31 | Molecular Dynamics and Physical Stability of Amorphous Nimesulide Drug and Its Binary Drugâ€"Polymer Systems. Molecular Pharmaceutics, 2016, 13, 1937-1946. | 2.3 | 37 |
| 32 | Freeze drying of polyelectrolyte complex nanoparticles: Effect of nanoparticle composition and cryoprotectant selection. International Journal of Pharmaceutics, 2018, 552, 27-38. | 2.6 | 37 |
| 33 | Platelet compatibility of PLGA, chitosan and PLGAâ€"chitosan nanoparticles. Nanomedicine, 2009, 4, 735-746. | 1.7 | 36 |
| 34 | Characterisation, solubility and intrinsic dissolution behaviour of benzamide: dibenzyl sulfoxide cocrystal. International Journal of Pharmaceutics, 2012, 422, 24-32. | 2.6 | 36 |
| 35 | Decoupling of conductivity relaxation from structural relaxation in protic ionic liquids and general properties. Physical Chemistry Chemical Physics, 2013, 15, 9205. | 1.3 | 36 |
| 36 | Formulation, stability and pharmacokinetics of sugar-based salmon calcitonin-loaded nanoporous/nanoparticulate microparticles (NPMPs) for inhalation. International Journal of Pharmaceutics, 2015, 483, 6-18. | 2.6 | 36 |

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|---|---|---|---|
| 37 | Self-Assembled Hyaluronate/Protamine Polyelectrolyte Nanoplexes: Synthesis, Stability, Biocompatibility and Potential Use as Peptide Carriers. Journal of Biomedical Nanotechnology, 2014, 10, 3658-3673. | 0.5 | 34 |
| 38 | Development and characterisation of soluble polymeric particles for pulmonary peptide delivery. European Journal of Pharmaceutical Sciences, 2010, 41, 337-352. | 1.9 | 33 |
| 39 | Solidâ€state characterization of novel active pharmaceutical ingredients: Cocrystal of a salbutamol hemiadipate salt with adipic acid (2:1:1) and salbutamol hemisuccinate salt. Journal of Pharmaceutical Sciences, 2011, 100, 3268-3283. | 1.6 | 33 |
| 40 | Heat induced evaporative antisolvent nanoprecipitation (HIEAN) of itraconazole. International Journal of Pharmaceutics, 2014, 471, 400-411. | 2.6 | 32 |
| 41 | Steroid/mucokinetic hybrid nanoporous microparticles for pulmonary drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 604-613. | 2.0 | 29 |
| 42 | Orientational Order and Dynamics of Nematic Multipodes Based on Carbosilazane Cores Using Optical and Dielectric Spectroscopy. Macromolecules, 2002, 35, 8601-8608. | 2.2 | 27 |
| 43 | Evaluation of HPÎ²CDâ€“PEG Microparticles for Salmon Calcitonin Administration via Pulmonary Delivery. Molecular Pharmaceutics, 2011, 8, 1887-1898. | 2.3 | 27 |
| 44 | Polymer/Amorphous Salt Solid Dispersions of Ciprofloxacin. Pharmaceutical Research, 2017, 34, 2425-2439. | 1.7 | 27 |
| 45 | Phase Diagrams of Polymer-Dispersed Liquid Crystal Systems of Itraconazole/Component Immiscibility Induced by Molecular Anisotropy. Molecular Pharmaceutics, 2018, 15, 5192-5206. | 2.3 | 27 |
| 46 | Co-Spray Dried Carbohydrate Microparticles: Crystallisation Delay/Inhibition and Improved Aerosolization Characteristics Through the Incorporation of Hydroxypropyl-Î²-cyclodextrin with Amorphous Raffinose or Trehalose. Pharmaceutical Research, 2015, 32, 180-195. | 1.7 | 26 |
| 47 | Investigation of the Capacity of Low Glass Transition Temperature Excipients to Minimize Amorphization of Sulfadimidine on Comilling. Molecular Pharmaceutics, 2013, 10, 386-396. | 2.3 | 25 |
| 48 | Formation, Physical Stability, and Quantification of Process-Induced Disorder in Cryomilled Samples of a Model Polymorphic Drug. Journal of Pharmaceutical Sciences, 2013, 102, 93-103. | 1.6 | 25 |
| 49 | Design of chondroitin sulfate-based polyelectrolyte nanoplexes: Formation of nanocarriers with chitosan and a case study of salmon calcitonin. Carbohydrate Polymers, 2017, 156, 276-284. | 5.1 | 23 |
| 50 | Physicochemical Characterization of a Co-Amorphous Atorvastatin-Irbesartan System with a Potential Application in Fixed-Dose Combination Therapy. Pharmaceutics, 2021, 13, 118. | 2.0 | 23 |
| 51 | Preparation and solid state characterisation of chlorothiazide sodium intermolecular self-assembly suprastructure. European Journal of Pharmaceutical Sciences, 2010, 41, 603-611. | 1.9 | 22 |
| 52 | Nanostructured systems containing babassu (Orbignya speciosa) oil as a potential alternative therapy for benign prostatic hyperplasia. International Journal of Nanomedicine, 2013, 8, 3129. | 3.3 | 22 |
| 53 | Mesophase and size manipulation of itraconazole liquid crystalline nanoparticles produced via quasi nanoemulsion precipitation. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 226-236. | 2.0 | 22 |
| 54 | Two Faces of Ciprofloxacin: Investigation of Proton Transfer in Solid State Transformations. Crystal Growth and Design, 2016, 16, 6574-6585. | 1.4 | 22 |

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|---|---|---|---|
| 55 | Intermolecular interactions between salmon calcitonin, hyaluronate, and chitosan and their impact on the process of formation and properties of peptide-loaded nanoparticles. International Journal of Pharmaceutics, 2014, 477, 102-112. | 2.6 | 21 |
| 56 | The effect of electrostatic interactions on the formation of pharmaceutical eutectics. Physical Chemistry Chemical Physics, 2018, 20, 27361-27367. | 1.3 | 21 |
| 57 | Spray drying from organic solvents to prepare nanoporous/nanoparticulate microparticles of protein: excipient composites designed for oral inhalation. Journal of Pharmacy and Pharmacology, 2012, 64, 1275-1290. | 1.2 | 20 |
| 58 | Chondroitin-based nanoplexes as peptide delivery systems â€“ Investigations into the self-assembly process, solid-state and extended release characteristics. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 93, 242-253. | 2.0 | 20 |
| 59 | Biopharmaceutical Characterization of Ciprofloxacin HClâ€“Ferrous Sulfate Interaction. Journal of Pharmaceutical Sciences, 2011, 100, 5174-5184. | 1.6 | 19 |
| 60 | Crystal Habits of Itraconazole Microcrystals: Unusual Isomorphic Intergrowths Induced via Tuning Recrystallization Conditions. Molecular Pharmaceutics, 2015, 12, 3468-3478. | 2.3 | 19 |
| 61 | Impact of process variables on the micromeritic and physicochemical properties of spray-dried porous microparticles, part I: introduction of a new morphology classification system. Journal of Pharmacy and Pharmacology, 2012, 64, 1570-1582. | 1.2 | 18 |
| 62 | Modification of the Solid-State Nature of Sulfathiazole and Sulfathiazole Sodium by Spray Drying. AAPS PharmSciTech, 2012, 13, 647-660. | 1.5 | 18 |
| 63 | Reducing mechanical activation-induced amorphisation of salbutamol sulphate by co-processing with selected carboxylic acids. International Journal of Pharmaceutics, 2013, 456, 508-516. | 2.6 | 18 |
| 64 | Identification and Pharmaceutical Characterization of a New Itraconazole Terephthalic Acid Cocrystal. Pharmaceutics, 2020, 12, 741. | 2.0 | 18 |
| 65 | An Enteric-Coated Polyelectrolyte Nanocomplex Delivers Insulin in Rat Intestinal Instillations When Combined with a Permeation Enhancer. Pharmaceutics, 2020, 12, 259. | 2.0 | 18 |
| 66 | Anticrystal Engineering of Ketoprofen and Ester Local Anesthetics: Ionic Liquids or Deep Eutectic Mixtures?. Pharmaceutics, 2020, 12, 368. | 2.0 | 18 |
| 67 | Comparison of particle size methodology and assessment of nanoparticle tracking analysis (NTA) as a tool for live monitoring of crystallisation pathways. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 130, 314-326. | 2.0 | 17 |
| 68 | Preparation and characterisation of novel spray-dried nano-structured para-aminosalicylic acid particulates for pulmonary delivery: impact of ammonium carbonate on morphology, chemical composition and solid state. Journal of Pharmacy and Pharmacology, 2012, 64, 1264-1274. | 1.2 | 16 |
| 69 | Bulk, surface properties and water uptake mechanisms of salt/acid amorphous composite systems. International Journal of Pharmaceutics, 2013, 456, 143-152. | 2.6 | 16 |
| 70 | Can Storage Time Improve the Physical Stability of Amorphous Pharmaceuticals with Tautomerization Ability Exposed to Compression? The Case of a Chloramphenicol Drug. Molecular Pharmaceutics, 2018, 15, 1928-1940. | 2.3 | 15 |
| 71 | Carbohydrate-based Trojan microparticles as carriers for pulmonary delivery of lipid nanocapsules using dry powder inhalation. Powder Technology, 2020, 364, 507-521. | 2.1 | 15 |
| 72 | Biopharmaceutical characterisation of ciprofloxacin-metallic ion interactions: Comparative study into the effect of aluminium, calcium, zinc and iron on drug solubility and dissolution. Acta Pharmaceutica, 2014, 64, 77-88. | 0.9 | 13 |

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|---|---|---|---|
| 73 | Preparation and characterisation of novel chlorothiazide potassium solid-state salt forms: Intermolecular self assembly suprastructures. European Journal of Pharmaceutical Sciences, 2011, 42, 220-229. | 1.9 | 12 |
| 74 | Intra-articular delivery of a nanocomplex comprising salmon calcitonin, hyaluronic acid, and chitosan using an equine model of joint inflammation. Drug Delivery and Translational Research, 2018, 8, 1421-1435. | 3.0 | 12 |
| 75 | Green Synthesis of Lidocaine Ionic Liquids and Salts: Mechanisms of Formation and Interactions in the Crystalline and Supercooled States. ACS Sustainable Chemistry and Engineering, 2020, 8, 18266-18276. | 3.2 | 12 |
| 76 | Mechanochemical activation with cyclodextrins followed by compaction as an effective approach to improving dissolution of rutin. International Journal of Pharmaceutics, 2020, 581, 119294. | 2.6 | 12 |
| 77 | Development and characterization of poly(lactic-co-glycolic) acid nanoparticles loaded with copaiba oleoresin. Pharmaceutical Development and Technology, 2018, 23, 343-350. | 1.1 | 11 |
| 78 | Impact of polyethylene glycol polymers on the physicochemical properties and mucoadhesivity of itraconazole nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 144, 57-67. | 2.0 | 11 |
| 79 | Fluoroquinolone Amorphous Polymeric Salts and Dispersions for Veterinary Uses. Pharmaceutics, 2019, 11, 268. | 2.0 | 11 |
| 80 | Impact of Alternative Solid State Forms and Specific Surface Area of High-Dose, Hydrophilic Active Pharmaceutical Ingredients on Tabletability. Molecular Pharmaceutics, 2013, 10, 3628-3639. | 2.3 | 10 |
| 81 | The control of paracetamol particle size and surface morphology through crystallisation in a spray dryer. Advanced Powder Technology, 2020, 31, 287-299. | 2.0 | 10 |
| 82 | A Comparative Study on the Performance of Inert and Functionalized Spheres Coated with Solid Dispersions Made of Two Structurally Related Antifungal Drugs. Molecular Pharmaceutics, 2017, 14, 3718-3728. | 2.3 | 9 |
| 83 | Density Scaling in Ionic Glass Formers Controlled by Grotthuss Conduction. Journal of Physical Chemistry B, 2019, 123, 1156-1160. | 1.2 | 9 |
| 84 | The impact of the degree of intimate mixing on the compaction properties of materials produced by crystallo-co-spray drying. European Journal of Pharmaceutical Sciences, 2020, 154, 105505. | 1.9 | 9 |
| 85 | A novel approach to crystallisation of nanodispersible microparticles by spray drying for improved tabletability. International Journal of Pharmaceutics, 2012, 436, 873-876. | 2.6 | 8 |
| 86 | Impact of Substrate Properties on the Formation of Spherulitic Films: A Case Study of Salbutamol Sulfate. Crystal Growth and Design, 2016, 16, 3853-3858. | 1.4 | 8 |
| 87 | In situ monitoring of nanoparticle formation: Antisolvent precipitation of azole anti-fungal drugs. International Journal of Pharmaceutics, 2018, 543, 201-213. | 2.6 | 8 |
| 88 | Molecular dynamics, viscoelastic properties and physical stability studies of a new amorphous dihydropyridine derivative with T-type calcium channel blocking activity. European Journal of Pharmaceutical Sciences, 2020, 141, 105083. | 1.9 | 8 |
| 89 | Enhancement of the Physical Stability of Amorphous Sildenafil in a Binary Mixture, with either a Plasticizing or Antiplasticizing Compound. Pharmaceutics, 2020, 12, 460. | 2.0 | 8 |
| 90 | Effect of electrostatic interactions on the relaxation dynamics of pharmaceutical eutectics. European Journal of Pharmaceutical Sciences, 2019, 134, 93-101. | 1.9 | 6 |

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|---|---|---|---|
| 91 | Formation of low melting point binary systems comprising ketoprofen and an amide local anaesthetic. International Journal of Pharmaceutics, 2021, 607, 120969. | 2.6 | 6 |
| 92 | Formation of stoichiometric and non-stoichiometric ionic liquid and cocrystal multicomponent phases of lidocaine with azelaic acid by changing counterion ratios. Journal of Molecular Liquids, 2021, 344, 117737. | 2.3 | 6 |
| 93 | Optimisation of the self-assembly process: production of stable, alginate-based polyelectrolyte nanocomplexes with protamine. Journal of Nanoparticle Research, 2017, 19, 1. | 0.8 | 5 |
| 94 | Crystallo-co-spray drying as a new approach to manufacturing of drug/excipient agglomerates: Impact of processing on the properties of paracetamol and lactose mixtures. International Journal of Pharmaceutics, 2020, 577, 119051. | 2.6 | 5 |
| 95 | Medicine Maker: An Outreach Activity for Pharmaceutical Manufacturing and Health Literacy. Journal of Chemical Education, 2022, 99, 1231-1237. | 1.1 | 5 |
| 96 | Impact of process variables on the micromeritic and physicochemical properties of spray-dried microparticles â€“ Part II. Physicochemical characterisation of spray-dried materials. Journal of Pharmacy and Pharmacology, 2012, 64, 1583-1591. | 1.2 | 4 |
| 97 | A Rare Case of Mesomorphic Behaviorâ€“Molecular Reorientation of Itraconazole Liquid Crystal Induced by a Hygrothermal Treatment. Crystal Growth and Design, 2016, 16, 1329-1336. | 1.4 | 4 |
| 98 | Isolation of Itraconazole Nanostructured Microparticles via Spray Drying with Rational Selection of Optimum Base for Successful Reconstitution and Compaction. AAPS PharmSciTech, 2019, 20, 217. | 1.5 | 4 |
| 99 | High-Pressure Dielectric Studiesâ€”a Way to Experimentally Determine the Solubility of a Drug in the Polymer Matrix at Low Temperatures. Molecular Pharmaceutics, 2021, 18, 3050-3062. | 2.3 | 4 |
| 100 | Characterisation and fundamental insight into the formation of new solid state, multicomponent systems of propranolol. International Journal of Pharmaceutics, 2021, 602, 120605. | 2.6 | 3 |
| 101 | Inhibition of celecoxib crystallization by mesoporous silica â€“ Molecular dynamics studies leading to the discovery of the stabilization origin. European Journal of Pharmaceutical Sciences, 2022, 171, 106132. | 1.9 | 3 |
| 102 | Submerged Eutectic-Assisted, Solvent-Free Mechanochemical Formation of a Propranolol Salt and Its Other Multicomponent Solids. Pharmaceutics, 2021, 13, 2125. | 2.0 | 3 |
| 103 | Osmolality of Excipients for Parenteral Formulation Measured by Freezing Point Depression and Vapor Pressure â€“ A Comparative Analysis. Pharmaceutical Research, 2023, 40, 1709-1722. | 1.7 | 3 |
| 104 | Nanoparticle Tracking Analysis to Examine the Temperature-Induced Aggregation of Proteins. Methods in Molecular Biology, 2019, 2039, 131-139. | 0.4 | 2 |
| 105 | Understanding the Thermodynamic Mechanisms Leading to the Binding of Albumin to Lipid Nanocapsules. Langmuir, 2020, 36, 4165-4173. | 1.6 | 1 |
| 106 | ORBIS (Open Research Biopharmaceutical Internships Support) â€“ building bridges between academia and pharmaceutical industry to improve drug development. Journal of Medical Science, 2020, 89, e419. | 0.2 | 1 |
| 107 | In Vitro Simulation of Drug Interaction: Ciprofloxacin/Zinc Chloride. Journal of Drug Delivery Science and Technology, 2014, 24, 229-233. | 1.4 | 0 |