

R Jayachandra Babu

List of Publications by Year in descending order

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79
papers

2,175
citations

218677

26
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254184

43
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80
all docs

80
docs citations

80
times ranked

3136
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Difluprednate-Hydroxypropyl- β -Cyclodextrin-Based Ophthalmic Solution for Improved Delivery in a Porcine Eye Model. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2022, 38, 92-101. | 1.4 | 2 |
| 2 | Niosomal formulation of hydroxytyrosol, a polyphenolic antioxidant, for enhancing transdermal delivery across human cadaver skin. <i>Pharmaceutical Development and Technology</i> , 2022, , 1-9. | 2.4 | 1 |
| 3 | Recent Advancements of Stimuli-Responsive Targeted Liposomal Formulations for Cancer Drug Delivery. <i>Pharmaceutical Nanotechnology</i> , 2022, 10, 3-23. | 1.5 | 4 |
| 4 | pH-Sensitive Liposomes for Enhanced Cellular Uptake and Cytotoxicity of Daunorubicin in Melanoma (B16-BL6) Cell Lines. <i>Pharmaceutics</i> , 2022, 14, 1128. | 4.5 | 11 |
| 5 | Delignified wood aerogels as scaffolds coated with an oriented chitosan-cyclodextrin co-polymer for removal of microcystin-LR. <i>RSC Advances</i> , 2022, 12, 20330-20339. | 3.6 | 4 |
| 6 | Recent Advances in Lipid-Based Nanovesicular Delivery Systems for Melanoma Therapy. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2021, 38, 1-38. | 2.2 | 7 |
| 7 | Resveratrol-loaded nanomedicines for cancer applications. <i>Cancer Reports</i> , 2021, 4, e1353. | 1.4 | 74 |
| 8 | Transdermal Delivery of Chemotherapeutics: Strategies, Requirements, and Opportunities. <i>Pharmaceutics</i> , 2021, 13, 960. | 4.5 | 25 |
| 9 | Stability-indicating HPLC method for acyclovir and lidocaine in topical formulations. <i>Biomedical Chromatography</i> , 2020, 34, e4751. | 1.7 | 15 |
| 10 | Application of Extrusion-Based 3D Printed Dosage Forms in the Treatment of Chronic Diseases. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 3551-3568. | 3.3 | 29 |
| 11 | Evaluation of Cytotoxicity and Taste-Masking Effect of Selected Flavors on Dental Lidocaine HCl Injection. <i>Pharmaceutics</i> , 2020, 13, 353. | 3.8 | 2 |
| 12 | Co-Delivery of Hispolon and Doxorubicin Liposomes Improves Efficacy Against Melanoma Cells. <i>AAPS PharmSciTech</i> , 2020, 21, 304. | 3.3 | 15 |
| 13 | Critical Assessment of Pharmacokinetic Drug-Drug Interaction Potential of Tofacitinib, Baricitinib and Upadacitinib, the Three Approved Janus Kinase Inhibitors for Rheumatoid Arthritis Treatment. <i>Drug Safety</i> , 2020, 43, 711-725. | 3.2 | 37 |
| 14 | Elucidating the anti-melanoma effect and mechanisms of Hispolon. <i>Life Sciences</i> , 2020, 256, 117702. | 4.3 | 10 |
| 15 | Dexamethasone eluting 3D printed metal devices for bone injuries. <i>Therapeutic Delivery</i> , 2020, 11, 373-386. | 2.2 | 10 |
| 16 | Flavonoids as Multi-Target Compounds: A Special Emphasis on their Potential as Chemo-adjuvants in Cancer Therapy. <i>Current Pharmaceutical Design</i> , 2020, 26, 1712-1728. | 1.9 | 8 |
| 17 | Enhanced Bioavailability of Boswellic Acid by Piper longum: A Computational and Pharmacokinetic Study. <i>Frontiers in Pharmacology</i> , 2020, 11, 551911. | 3.5 | 11 |
| 18 | Role of Ceramides in Drug Delivery. <i>AAPS PharmSciTech</i> , 2019, 20, 287. | 3.3 | 6 |

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|----|--|-----|-----------|
| 19 | Use of sorbitol as pharmaceutical excipient in the present day formulations – issues and challenges for drug absorption and bioavailability. <i>Drug Development and Industrial Pharmacy</i> , 2019, 45, 1421-1429. | 2.0 | 19 |
| 20 | Co-delivery of Doxorubicin and Ceramide in a Liposomal Formulation Enhances Cytotoxicity in Murine B16BL6 Melanoma Cell Lines. <i>AAPS PharmSciTech</i> , 2019, 20, 99. | 3.3 | 27 |
| 21 | Two Decades-Long Journey from Riluzole to Edaravone: Revisiting the Clinical Pharmacokinetics of the Only Two Amyotrophic Lateral Sclerosis Therapeutics. <i>Clinical Pharmacokinetics</i> , 2018, 57, 1385-1398. | 3.5 | 51 |
| 22 | Role of Cyclodextrins in Nanoparticle-Based Drug Delivery Systems. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 1741-1753. | 3.3 | 117 |
| 23 | Pharmacokinetic evaluation of novel midazolam gel formulations following buccal administration to healthy dogs. <i>American Journal of Veterinary Research</i> , 2018, 79, 73-82. | 0.6 | 6 |
| 24 | Reappraisal and perspectives of clinical drug–drug interaction potential of α -glucosidase inhibitors such as acarbose, voglibose and miglitol in the treatment of type 2 diabetes mellitus. <i>Xenobiotica</i> , 2018, 48, 89-108. | 1.1 | 49 |
| 25 | Non-alcoholic Steatohepatitis (NASH) Drug Discovery – Building a Consensus on ADME Screening Tools and Clinical Pharmacology Strategies to Aid Candidate Development. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2018, 21, 481-495. | 2.1 | 2 |
| 26 | In Situ Gel Formulation for Enhanced Ocular Delivery of Nepafenac. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 3089-3097. | 3.3 | 40 |
| 27 | Improved Ocular Delivery of Nepafenac by Cyclodextrin Complexation. <i>AAPS PharmSciTech</i> , 2018, 19, 2554-2563. | 3.3 | 18 |
| 28 | Evaluation of non-crystalline cellulose as a novel excipient in solid dose products. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1512-1519. | 2.0 | 3 |
| 29 | Microemulsion and Microporation Effects on the Genistein Permeation Across Dermatomed Human Skin. <i>AAPS PharmSciTech</i> , 2018, 19, 3481-3489. | 3.3 | 15 |
| 30 | Review of the pharmacokinetics of dalbavancin, a recently approved lipoglycopeptide antibiotic. <i>Infectious Diseases</i> , 2017, 49, 483-492. | 2.8 | 24 |
| 31 | Therapeutic Potential and Utility of Elacridar with Respect to P-glycoprotein Inhibition: An Insight from the Published In Vitro, Preclinical and Clinical Studies. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2017, 42, 915-933. | 1.6 | 59 |
| 32 | Transdermal Iontophoretic Delivery of Lysine-Proline-Valine (KPV) Peptide Across Microporated Human Skin. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1814-1820. | 3.3 | 8 |
| 33 | Comparative pharmacokinetics of three SGLT-2 inhibitors sergliflozin, remogliflozin and ertugliflozin: an overview. <i>Xenobiotica</i> , 2017, 47, 1015-1026. | 1.1 | 18 |
| 34 | The Epigenomics of Embryonic Pathway Signaling in Colorectal Cancer. <i>Frontiers in Pharmacology</i> , 2017, 8, 267. | 3.5 | 23 |
| 35 | Development of a Sustained-Release Voriconazole-Containing Thermogel for Subconjunctival Injection in Horses. , 2017, 58, 2746. | | 20 |
| 36 | Implication of Formulation Strategies on the Bioavailability of Selected Plant-Derived Hepatoprotectants. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2017, 34, 489-526. | 2.2 | 4 |

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|----|--|-----|-----------|
| 37 | Percutaneous delivery of α -melanocyte-stimulating hormone for the treatment of imiquimod-induced psoriasis. <i>Journal of Drug Targeting</i> , 2016, 24, 537-547. | 4.4 | 12 |
| 38 | Pyrrolidones as Penetration Enhancers. , 2015, , 291-299. | | 3 |
| 39 | Stability-indicating HPLC assay for lysine-proline-valine (KPV) in aqueous solutions and skin homogenates. <i>Biomedical Chromatography</i> , 2015, 29, 716-721. | 1.7 | 2 |
| 40 | Progress in Topical siRNA Delivery Approaches for Skin Disorders. <i>Current Pharmaceutical Design</i> , 2015, 21, 4594-4605. | 1.9 | 16 |
| 41 | Lipid Materials for Topical and Transdermal Delivery of Nanoemulsions. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2014, 31, 429-458. | 2.2 | 36 |
| 42 | Nanomedicine Scale-up Technologies: Feasibilities and Challenges. <i>AAPS PharmSciTech</i> , 2014, 15, 1527-1534. | 3.3 | 221 |
| 43 | Effect of Lipophilicity on Microneedle-Mediated Iontophoretic Transdermal Delivery Across Human Skin In Vitro. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3784-3791. | 3.3 | 12 |
| 44 | Codelivery of zoledronic acid and double-stranded RNA from core-shell nanoparticles. <i>International Journal of Nanomedicine</i> , 2013, 8, 137. | 6.7 | 14 |
| 45 | Microneedle assisted iontophoretic transdermal delivery of prochlorperazine edisylate. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 571-576. | 2.0 | 20 |
| 46 | Amorphous-State Characterization of Efavirenz Polymer Hot-Melt Extrusion Systems for Dissolution Enhancement. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 3456-3464. | 3.3 | 103 |
| 47 | <i>In vitro</i> percutaneous absorption of genistein from topical gels through human skin. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 498-505. | 2.0 | 24 |
| 48 | Nose-to-brain transport of melatonin from polymer gel suspensions: a microdialysis study in rats. <i>Journal of Drug Targeting</i> , 2011, 19, 731-740. | 4.4 | 22 |
| 49 | Encapsulation of hydrophobic drugs in a copolymer: Glass transition behavior and miscibility evaluation. <i>Polymer Engineering and Science</i> , 2011, 51, 1456-1465. | 3.1 | 10 |
| 50 | Single-Step Preparation and Deagglomeration of Itraconazole Microflakes by Supercritical Antisolvent Method for Dissolution Enhancement. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 2952-2965. | 3.3 | 20 |
| 51 | Simultaneous production and co-mixing of microparticles of nevirapine with excipients by supercritical antisolvent method for dissolution enhancement. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 39, 164-174. | 4.0 | 32 |
| 52 | Biphasic flux profiles of melatonin: The Yin-Yang of transdermal permeation enhancement mediated by fatty alcohol enhancers** Yin and Yang describe opposing qualities in a phenomenon, which are in a dynamic equilibrium. Each advance (Yang) is followed by a retreat (Yin), and every fall (Yin) transforms into a rise (Yang). Any mutable phenomenon is a consequence of Yin and Yang.. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 209-218. | 3.3 | 4 |
| 53 | Transdermal iontophoretic delivery of selegiline hydrochloride, <i>in vitro</i> . <i>Journal of Drug Targeting</i> , 2010, 18, 657-664. | 4.4 | 11 |
| 54 | Formulation of Controlled Release Gellan Gum Macro Beads of Amoxicillin. <i>Current Drug Delivery</i> , 2010, 7, 36-43. | 1.6 | 99 |

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|----|---|-----|-----------|
| 55 | Evaluation of EpiDerm full thickness-300 (EFT-300) as an in vitro model for skin irritation: Studies on aliphatic hydrocarbons. <i>Toxicology in Vitro</i> , 2010, 24, 669-676. | 2.4 | 29 |
| 56 | Polymeric and Lipid-Based Materials for Topical Nanoparticle Delivery Systems. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2010, 27, 419-459. | 2.2 | 25 |
| 57 | Glass transitions in binary drug+polymer systems. <i>Materials Letters</i> , 2009, 63, 2666-2668. | 2.6 | 23 |
| 58 | Enhancement of transdermal delivery of phenylbutazone from liposomal gel formulations through deer skin. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2009, 32, 388-392. | 1.3 | 6 |
| 59 | Physicochemical Characterization of Efavirenzâ€“Cyclodextrin Inclusion Complexes. <i>AAPS PharmSciTech</i> , 2009, 10, 81-87. | 3.3 | 83 |
| 60 | Dermal microdialysis of inflammatory markers induced by aliphatic hydrocarbons in rats. <i>Toxicology Letters</i> , 2009, 185, 168-174. | 0.8 | 11 |
| 61 | Gefitinibâ€“cyclodextrin inclusion complexes: physico-chemical characterization and dissolution studies. <i>Drug Development and Industrial Pharmacy</i> , 2009, 35, 1113-1120. | 2.0 | 37 |
| 62 | Effect of Cyclodextrins on the Complexation and Nasal Permeation of Melatonin. <i>Drug Delivery</i> , 2008, 15, 381-388. | 5.7 | 39 |
| 63 | Cardiovascular effects of transdermally delivered bupranolol in rabbits: Effect of chemical penetration enhancers. <i>Life Sciences</i> , 2008, 82, 273-278. | 4.3 | 8 |
| 64 | Effect of dopaminergic neurotoxin MPTP/MPP+ on coenzyme Q content. <i>Life Sciences</i> , 2008, 83, 92-95. | 4.3 | 7 |
| 65 | Estimation of proinflammatory biomarkers of skin irritation by dermal microdialysis following exposure with irritant chemicals. <i>Toxicology</i> , 2007, 237, 77-88. | 4.2 | 26 |
| 66 | In vitro and in vivo comparison of dermal irritancy of jet fuel exposure using EpiDermâ„¢ (EPI-200) cultured human skin and hairless rats. <i>Toxicology Letters</i> , 2006, 167, 85-94. | 0.8 | 27 |
| 67 | Stability and degradation profiles of Spantide II in aqueous solutions. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 27, 158-166. | 4.0 | 8 |
| 68 | Effect of penetration enhancers on the release and skin permeation of bupranolol from reservoir-type transdermal delivery systems. <i>International Journal of Pharmaceutics</i> , 2005, 288, 325-334. | 5.2 | 48 |
| 69 | In vitro and in vivo evaluation of topical formulations of Spantide II. <i>AAPS PharmSciTech</i> , 2005, 6, E565-E572. | 3.3 | 53 |
| 70 | Box-Behnken experimental design in the development of a nasal drug delivery system of model drug hydroxyurea: Characterization of viscosity, in vitro drug release, droplet size, and dynamic surface tension. <i>AAPS PharmSciTech</i> , 2005, 6, E573-E585. | 3.3 | 43 |
| 71 | The effect of occlusive and unocclusive exposure to xylene and benzene on skin irritation and molecular responses in hairless rats. <i>Archives of Toxicology</i> , 2005, 79, 294-301. | 4.2 | 11 |
| 72 | Effect of methyl substitution of benzene on the percutaneous absorption and skin irritation in hairless rats. <i>Toxicology Letters</i> , 2005, 159, 261-271. | 0.8 | 27 |

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|----|---|-----|-----------|
| 73 | Effect of Penetration Enhancers on the Transdermal Delivery of Bupranolol Through Rat Skin. Drug Delivery, 2005, 12, 165-169. | 5.7 | 28 |
| 74 | Percutaneous absorption and skin irritation upon low-level prolonged dermal exposure to nonane, dodecane and tetradecane in hairless rats. Toxicology and Industrial Health, 2004, 20, 109-118. | 1.4 | 25 |
| 75 | Percutaneous Absorption and Anti-Inflammatory Effect of a Substance P Receptor Antagonist: Spantide II. Pharmaceutical Research, 2004, 21, 108-113. | 3.5 | 23 |
| 76 | Effect of cyclodextrins on the complexation and transdermal delivery of bupranolol through rat skin. International Journal of Pharmaceutics, 2004, 271, 155-165. | 5.2 | 67 |
| 77 | Assessment of skin irritation and molecular responses in rat skin exposed to nonane, dodecane and tetradecane. Toxicology Letters, 2004, 153, 255-266. | 0.8 | 29 |
| 78 | The influence of various methods of cold storage of skin on the permeation of melatonin and nimesulide. Journal of Controlled Release, 2003, 86, 49-57. | 9.9 | 44 |
| 79 | Effect of Aging on the Dissolution Stability of Glibenclamide/ β -2-Cyclodextrin Complex. Drug Development and Industrial Pharmacy, 1999, 25, 1215-1219. | 2.0 | 13 |