

# Annabelle Ballesta

## List of Publications by Year in descending order

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17  
papers

678  
citations

687363

13  
h-index

888059

17  
g-index

17  
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17  
docs citations

17  
times ranked

992  
citing authors

#	ARTICLE	IF	CITATIONS
1	Model learning to identify systemic regulators of the peripheral circadian clock. <i>Bioinformatics</i> , 2021, 37, i401-i409.	4.1	8
2	A mathematical model of the circadian clock and drug pharmacology to optimize irinotecan administration timing in colorectal cancer. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 5170-5183.	4.1	25
3	Optimizing circadian drug infusion schedules towards personalized cancer chronotherapy. <i>PLoS Computational Biology</i> , 2020, 16, e1007218.	3.2	35
4	Sex-dependent least toxic timing of irinotecan combined with chronomodulated chemotherapy for metastatic colorectal cancer: Randomized multicenter EORTC 05011 trial. <i>Cancer Medicine</i> , 2020, 9, 4148-4159.	2.8	48
5	BMAL1 knockdown triggers different colon carcinoma cell fates by altering the delicate equilibrium between AKT/mTOR and P53/P21 pathways. <i>Aging</i> , 2020, 12, 8067-8083.	3.1	16
6	Sex-, feeding-, and circadian time-dependency of P-glycoprotein expression and activity - implications for mechanistic pharmacokinetics modeling. <i>Scientific Reports</i> , 2019, 9, 10505.	3.3	26
7	pH as a potential therapeutic target to improve temozolomide antitumor efficacy : A mechanistic modeling study. <i>Pharmacology Research and Perspectives</i> , 2019, 7, e00454.	2.4	13
8	Kinetic analysis of the accumulation of a half-sandwich organo-osmium pro-drug in cancer cells. <i>Metallomics</i> , 2019, 11, 1648-1656.	2.4	9
9	Systems Biology, Systems Medicine, Systems Pharmacology: The What and The Why. <i>Acta Biotheoretica</i> , 2018, 66, 345-365.	1.5	35
10	Circadian rest-activity rhythm as an objective biomarker of patient-reported outcomes in patients with advanced cancer. <i>Cancer Medicine</i> , 2018, 7, 4396-4405.	2.8	45
11	Systems Chronotherapeutics. <i>Pharmacological Reviews</i> , 2017, 69, 161-199.	16.0	237
12	Identification of Circadian Determinants of Cancer Chronotherapy through <i>In Vitro</i> Chronopharmacology and Mathematical Modeling. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 2154-2164.	4.1	56
13	Physiologically Based Mathematical Models to Optimize Therapies Against Metastatic Colorectal Cancer: A Mini-Review. <i>Current Pharmaceutical Design</i> , 2014, 20, 37-48.	1.9	18
14	Data-Driven Modeling of Src Control on the Mitochondrial Pathway of Apoptosis: Implication for Anticancer Therapy Optimization. <i>PLoS Computational Biology</i> , 2013, 9, e1003011.	3.2	8
15	An Efficient Kinetic Model for Assemblies of Amyloid Fibrils and Its Application to Polyglutamine Aggregation. <i>PLoS ONE</i> , 2012, 7, e43273.	2.5	32
16	Theoretical optimization of Irinotecan-based anticancer strategies in the case of drug-induced efflux. <i>Applied Mathematics Letters</i> , 2011, 24, 1251-1256.	2.7	10
17	A Combined Experimental and Mathematical Approach for Molecular-based Optimization of Irinotecan Circadian Delivery. <i>PLoS Computational Biology</i> , 2011, 7, e1002143.	3.2	57