

# Josef Beranek

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,460  
citations

394421

19  
h-index

414414

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaporation kinetics and phase of laboratory and ambient secondary organic aerosol. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2190-2195.	7.1	354
2	Experimental determination of chemical diffusion within secondary organic aerosol particles. Physical Chemistry Chemical Physics, 2013, 15, 2983.	2.8	167
3	Ice nucleation and droplet formation by bare and coated soot particles. Journal of Geophysical Research, 2011, 116, .	3.3	110
4	Synergy between Secondary Organic Aerosols and Long-Range Transport of Polycyclic Aromatic Hydrocarbons. Environmental Science & Technology, 2012, 46, 12459-12466.	10.0	110
5	Evaluation of solid-phase microextraction methods for determination of trace concentration aldehydes in aqueous solution. Journal of Chromatography A, 2008, 1209, 44-54.	3.7	76
6	Implications of low volatility SOA and gas-phase fragmentation reactions on SOA loadings and their spatial and temporal evolution in the atmosphere. Journal of Geophysical Research D: Atmospheres, 2013, 118, 3328-3342.	3.3	66
7	Evaporation Kinetics of Laboratory-Generated Secondary Organic Aerosols at Elevated Relative Humidity. Environmental Science & Technology, 2015, 49, 243-249.	10.0	63
8	Identifying the mechanisms of drug release from amorphous solid dispersions using MRI and ATR-FTIR spectroscopic imaging. International Journal of Pharmaceutics, 2015, 483, 256-267.	5.2	52
9	Investigation of drug-polymer interaction in solid dispersions by vapour sorption methods. International Journal of Pharmaceutics, 2014, 469, 159-167.	5.2	46
10	Identification of products formed during the heterogeneous nitration and ozonation of polycyclic aromatic hydrocarbons. Atmospheric Environment, 2016, 128, 92-103.	4.1	43
11	Real-Time Shape-Based Particle Separation and Detailed in Situ Particle Shape Characterization. Analytical Chemistry, 2012, 84, 1459-1465.	6.5	32
12	Non-invasive insight into the release mechanisms of a poorly soluble drug from amorphous solid dispersions by confocal Raman microscopy. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 101, 119-125.	4.3	29
13	The effect of gas-phase polycyclic aromatic hydrocarbons on the formation and properties of biogenic secondary organic aerosol particles. Faraday Discussions, 2017, 200, 143-164.	3.2	27
14	Limits of detection for the determination of mono- and dicarboxylic acids using gas and liquid chromatographic methods coupled with mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1429-1438.	2.3	26
15	Effect of solvent selection on drug loading and amorphisation in mesoporous silica particles. International Journal of Pharmaceutics, 2019, 555, 19-27.	5.2	25
16	Extending the Capabilities of Single Particle Mass Spectrometry: I. Measurements of Aerosol Number Concentration, Size Distribution, and Asphericity. Aerosol Science and Technology, 2011, 45, 113-124.	3.1	24
17	Extending the Capabilities of Single Particle Mass Spectrometry: II. Measurements of Aerosol Particle Density without DMA. Aerosol Science and Technology, 2011, 45, 125-135.	3.1	23
18	Methods for the preparation of amorphous solid dispersions – A comparative study. Journal of Drug Delivery Science and Technology, 2017, 38, 125-134.	3.0	23

#	ARTICLE	IF	CITATIONS
19	The Combined Use of Imaging Approaches to Assess Drug Release from Multicomponent Solid Dispersions. <i>Pharmaceutical Research</i> , 2017, 34, 990-1001.	3.5	23
20	Virtual Prototyping and Parametric Design of 3D-Printed Tablets Based on the Solution of Inverse Problem. <i>AAPS PharmSciTech</i> , 2018, 19, 3414-3424.	3.3	20
21	Effects of crystallographic properties on the ice nucleation properties of volcanic ash particles. <i>Geophysical Research Letters</i> , 2015, 42, 3048-3055.	4.0	18
22	Extractable Organic Carbon and its Differentiation by Polarity in Diesel Exhaust, Wood Smoke, and Urban Particulate Matter. <i>Aerosol Science and Technology</i> , 2009, 43, 714-729.	3.1	16
23	Investigation of tablet disintegration pathways by the combined use of magnetic resonance imaging, texture analysis and static light scattering. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119719.	5.2	15
24	Detection limits of electron and electron capture negative ionization-mass spectrometry for aldehydes derivatized with <i>o</i> -(2,3,4,5,6-pentafluorobenzyl)-hydroxylamine hydrochloride. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 592-602.	2.8	14
25	Increase in Solubility of Poorly-Ionizable Pharmaceuticals by Salt Formation: A Case of Agomelatine Sulfonates. <i>Crystal Growth and Design</i> , 2017, 17, 5283-5294.	3.0	13
26	Probing the early stages of tablet disintegration by stress relaxation measurement. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 124, 145-152.	4.0	12
27	Evaluation of sequential solvent and thermal extraction followed by analytical pyrolysis for chemical characterization of carbonaceous particulate matter. <i>Journal of Chromatography A</i> , 2013, 1279, 27-35.	3.7	7
28	The impact of polymeric excipients on the particle size of poorly soluble drugs after pH-induced precipitation. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 95, 138-144.	4.0	7
29	Preclinical evaluation of new formulation concepts for abiraterone acetate bioavailability enhancement based on the inhibition of pH-induced precipitation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 151, 81-90.	4.3	7
30	Drug loading to mesoporous silica carriers by solvent evaporation: A comparative study of amorphization capacity and release kinetics. <i>International Journal of Pharmaceutics</i> , 2021, 607, 120982.	5.2	7
31	Monitoring of particle sizes distribution during Valsartan precipitation in the presence of nonionic surfactant. <i>International Journal of Pharmaceutics</i> , 2021, 600, 120515.	5.2	4
32	The effect of the composition of a fixed dose combination on bioequivalence results. <i>International Journal of Pharmaceutics</i> , 2018, 546, 235-246.	5.2	1