

# Selena E Richards

## List of Publications by Year in descending order

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12  
papers

679  
citations

1040056

9  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

1350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic modelling of acyl glucuronide and glucoside reactivity and development of structure–property relationships. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1389-1401.	2.8	5
2	Metabolic Phenotype Modulation by Caloric Restriction in a Lifelong Dog Study. <i>Journal of Proteome Research</i> , 2013, 12, 3117-3127.	3.7	26
3	Mass-selective neutron spectroscopy of lithium hydride and deuteride: Experimental assessment of the harmonic and impulse approximations. <i>Physical Review B</i> , 2013, 88, .	3.2	25
4	Synthesis of a series of phenylacetic acid 1- <sup>12</sup> O-acyl glucosides and comparison of their acyl migration and hydrolysis kinetics with the corresponding acyl glucuronides. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 926-934.	2.8	20
5	Colonization-Induced Host-Gut Microbial Metabolic Interaction. <i>MBio</i> , 2011, 2, e00271-10.	4.1	342
6	The evolution of partial least squares models and related chemometric approaches in metabonomics and metabolic phenotyping. <i>Journal of Chemometrics</i> , 2010, 24, 636-649.	1.3	140
7	Intra- and inter-omic fusion of metabolic profiling data in a systems biology framework. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010, 104, 121-131.	3.5	51
8	Quantitative iterative target transformation factor analysis. <i>Journal of Chemometrics</i> , 2008, 22, 63-80.	1.3	8
9	A novel approach to the quantification of industrial mixtures from the Vinyl Acetate Monomer (VAM) process using Near Infrared spectroscopic data and a Quantitative Self Modeling Curve Resolution (SMCR) methodology. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008, 94, 9-18.	3.5	15
10	Self-Modeling Curve Resolution Recovery of Temporal Metabolite Signal Modulation in NMR Spectroscopic Data Sets: Application to a Life-Long Caloric Restriction Study in Dogs. <i>Analytical Chemistry</i> , 2008, 80, 4876-4885.	6.5	24
11	Advantages of Soft versus Hard Constraints in Self-Modeling Curve Resolution Problems. Penalty Alternating Least Squares (P-ALS) Extension to Multi-Way Problems. <i>Applied Spectroscopy</i> , 2008, 62, 197-206.	2.2	7
12	Quantitative determination of the catalysed asymmetric transfer hydrogenation of 1-methyl-6,7-dimethoxy-3,4-dihydroisoquinoline using in situ FTIR and multivariate curve resolution. <i>Analytica Chimica Acta</i> , 2004, 519, 1-9.	5.4	16