

# Andreas A Linninger

## List of Publications by Year in descending order

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142  
papers

3,881  
citations

117625

34  
h-index

155660

55  
g-index

150  
all docs

150  
docs citations

150  
times ranked

3447  
citing authors

#	ARTICLE	IF	CITATIONS
1	The capillary bed offers the largest hemodynamic resistance to the cortical blood supply. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 52-68.	4.3	186
2	Cerebrospinal Fluid Flow in the Normal and Hydrocephalic Human Brain. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 291-302.	4.2	144
3	Pulsatile Cerebrospinal Fluid Dynamics in the Human Brain. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 557-565.	4.2	139
4	Intramedullary spinal cord tumors: a review of current and future treatment strategies. <i>Neurosurgical Focus</i> , 2015, 39, E14.	2.3	129
5	Prediction of convection-enhanced drug delivery to the human brain. <i>Journal of Theoretical Biology</i> , 2008, 250, 125-138.	1.7	126
6	A mathematical model of blood, cerebrospinal fluid and brain dynamics. <i>Journal of Mathematical Biology</i> , 2009, 59, 729-759.	1.9	124
7	Cerebrospinal Fluid Mechanics and Its Coupling to Cerebrovascular Dynamics. <i>Annual Review of Fluid Mechanics</i> , 2016, 48, 219-257.	25.0	107
8	Cerebral Microcirculation and Oxygen Tension in the Human Secondary Cortex. <i>Annals of Biomedical Engineering</i> , 2013, 41, 2264-2284.	2.5	105
9	Dynamics of lateral ventricle and cerebrospinal fluid in normal and hydrocephalic brains. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 756-770.	3.4	93
10	Three-dimensional computational prediction of cerebrospinal fluid flow in the human brain. <i>Computers in Biology and Medicine</i> , 2011, 41, 67-75.	7.0	91
11	Cerebrospinal Fluid Flow Dynamics in the Central Nervous System. <i>Annals of Biomedical Engineering</i> , 2011, 39, 484-496.	2.5	88
12	Pressure gradients in the brain in an experimental model of hydrocephalus. <i>Journal of Neurosurgery</i> , 2005, 102, 1069-1075.	1.6	82
13	Integrating systems design and control using dynamic flexibility analysis. <i>AIChE Journal</i> , 2007, 53, 2048-2061.	3.6	82
14	Computational methods for predicting drug transport in anisotropic and heterogeneous brain tissue. <i>Journal of Biomechanics</i> , 2008, 41, 2176-2187.	2.1	81
15	Hematocrit Distribution and Tissue Oxygenation in Large Microcirculatory Networks. <i>Microcirculation</i> , 2015, 22, 1-18.	1.8	81
16	CNS wide simulation of flow resistance and drug transport due to spinal microanatomy. <i>Journal of Biomechanics</i> , 2015, 48, 2144-2154.	2.1	80
17	The Frequency and Magnitude of Cerebrospinal Fluid Pulsations Influence Intrathecal Drug Distribution. <i>Anesthesia and Analgesia</i> , 2012, 115, 386-394.	2.2	77
18	Normal and Hydrocephalic Brain Dynamics: The Role of Reduced Cerebrospinal Fluid Reabsorption in Ventricular Enlargement. <i>Annals of Biomedical Engineering</i> , 2009, 37, 1434-1447.	2.5	70

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19	Ventricle wall movements and cerebrospinal fluid flow in hydrocephalus. <i>Journal of Neurosurgery</i> , 2011, 115, 159-164.	1.6	61
20	Magnetic Drug Targeting: A Novel Treatment for Intramedullary Spinal Cord Tumors. <i>Scientific Reports</i> , 2018, 8, 11417.	3.3	60
21	Plant-Wide Waste Management. 1. Synthesis and Multiobjective Design. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 4591-4604.	3.7	59
22	The Effect of Pulsatile Flow on Intrathecal Drug Delivery in the Spinal Canal. <i>Annals of Biomedical Engineering</i> , 2011, 39, 2592-602.	2.5	58
23	Computational and In Vitro Experimental Investigation of Intrathecal Drug Distribution: Parametric Study of the Effect of Injection Volume, Cerebrospinal Fluid Pulsatility, and Drug Uptake. <i>Anesthesia and Analgesia</i> , 2017, 124, 1686-1696.	2.2	58
24	Interspecies Scaling in Pharmacokinetics: A Novel Whole-Body Physiologically Based Modeling Framework to Discover Drug Biodistribution Mechanisms in vivo. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1221-1241.	3.3	57
25	The Physics of Hydrocephalus. <i>Pediatric Neurosurgery</i> , 2009, 45, 161-174.	0.7	48
26	A computational model of cerebrospinal fluid production and reabsorption driven by Starling forces. <i>Croatian Medical Journal</i> , 2014, 55, 481-497.	0.7	47
27	Plant-Wide Waste Management. 2. Decision Making under Uncertainty. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 357-369.	3.7	42
28	Current status of intratumoral therapy for glioblastoma. <i>Journal of Neuro-Oncology</i> , 2015, 125, 1-7.	2.9	42
29	Towards computer-aided separation synthesis. <i>AIChE Journal</i> , 2006, 52, 1392-1409.	3.6	41
30	Validation of cerebral arteriovenous malformation hemodynamics assessed by DSA using quantitative magnetic resonance angiography: preliminary study. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 156-161.	3.3	40
31	Hydrocephalus: the role of cerebral aquaporin-4 channels and computational modeling considerations of cerebrospinal fluid. <i>Neurosurgical Focus</i> , 2016, 41, E8.	2.3	38
32	Solving Kinetic Inversion Problems via a Physically Bounded Gauss-Newton (PGN) Method. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 3626-3637.	3.7	35
33	Systematic design of drug delivery therapies. <i>Computers and Chemical Engineering</i> , 2008, 32, 89-98.	3.8	35
34	Dynamic regulation of aquaporin-4 water channels in neurological disorders. <i>Croatian Medical Journal</i> , 2015, 56, 401-421.	0.7	35
35	Temperature Collocation Algorithm for Fast and Robust Distillation Design. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 3163-3182.	3.7	34
36	Rigorous Mathematical Modeling Techniques for Optimal Delivery of Macromolecules to the Brain. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 2303-2313.	4.2	32

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37	Implant-Assisted Intrathecal Magnetic Drug Targeting to Aid in Therapeutic Nanoparticle Localization for Potential Treatment of Central Nervous System Disorders. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 253-261.	1.1	30
38	Large-scale subject-specific cerebral arterial tree modeling using automated parametric mesh generation for blood flow simulation. <i>Computers in Biology and Medicine</i> , 2017, 91, 353-365.	7.0	30
39	Corticosteroid Treatment for Metastatic Spinal Cord Compression: A Review. <i>Global Spine Journal</i> , 2017, 7, 272-279.	2.3	30
40	Magnetic field-enhanced cellular uptake of doxorubicin loaded magnetic nanoparticles for tumor treatment. <i>Materials Research Express</i> , 2016, 3, 095010.	1.6	29
41	Intrathecal magnetic drug targeting using gold-coated magnetite nanoparticles in a human spine model. <i>Nanomedicine</i> , 2014, 9, 1155-1169.	3.3	27
42	Intrathecal magnetic drug targeting for localized delivery of therapeutics in the CNS. <i>Nanomedicine</i> , 2017, 12, 865-877.	3.3	27
43	Modeling the diffusion of D-2-hydroxyglutarate from IDH1 mutant gliomas in the central nervous system. <i>Neuro-Oncology</i> , 2018, 20, 1197-1206.	1.2	27
44	Plant-Wide Waste Management. 3. Long-Term Operation and Investment Planning under Uncertainty. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 4772-4788.	3.7	25
45	Optimal waste reduction and investment planning under uncertainty. <i>Computers and Chemical Engineering</i> , 2004, 28, 1145-1156.	3.8	25
46	Integrated design and control under uncertainty: Embedded control optimization for plantwide processes. <i>Computers and Chemical Engineering</i> , 2011, 35, 1718-1724.	3.8	25
47	Gap-free segmentation of vascular networks with automatic image processing pipeline. <i>Computers in Biology and Medicine</i> , 2017, 82, 29-39.	7.0	25
48	Simulations of blood as a suspension predicts a depth dependent hematocrit in the circulation throughout the cerebral cortex. <i>PLoS Computational Biology</i> , 2018, 14, e1006549.	3.2	25
49	Mathematical synthesis of the cortical circulation for the whole mouse brain-part I. theory and image integration. <i>Computers in Biology and Medicine</i> , 2019, 110, 265-275.	7.0	24
50	Clearance of Subarachnoid Hemorrhage from the Cerebrospinal Fluid in Computational and In Vitro Models. <i>Annals of Biomedical Engineering</i> , 2016, 44, 3478-3494.	2.5	23
51	Automatic recognition of subject-specific cerebrovascular trees. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 398-410.	3.0	22
52	Synthesis and optimization of waste treatment flowsheets. <i>Computers and Chemical Engineering</i> , 1999, 23, 1415-1425.	3.8	21
53	Planning of waste reduction strategies under uncertainty. <i>Computers and Chemical Engineering</i> , 2000, 24, 1043-1048.	3.8	20
54	Discovery of transport and reaction properties in distributed systems. <i>AIChE Journal</i> , 2007, 53, 381-396.	3.6	20

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55	Methods for Determining Agent Concentration Profiles in Agarose Gel During Convection-Enhanced Delivery. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 626-632.	4.2	20
56	Cerebrospinal fluid dynamics coupled to the global circulation in holistic setting: Mathematical models, numerical methods and applications. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2022, 38, e3532.	2.1	20
57	A computer-aided framework for development, identification and management of physiologically-based pharmacokinetic models. <i>Computers and Chemical Engineering</i> , 2014, 71, 677-698.	3.8	19
58	Backflow-free catheters for efficient and safe convection-enhanced delivery of therapeutics. <i>Medical Engineering and Physics</i> , 2017, 45, 15-24.	1.7	19
59	Knowledge-based validation and waste management of batch pharmaceutical process designs. <i>Computers and Chemical Engineering</i> , 1996, 20, S1431-S1436.	3.8	18
60	Pharmaceutical waste management under uncertainty. <i>Computers and Chemical Engineering</i> , 2001, 25, 675-681.	3.8	18
61	Industry-wide energy saving by complex separation networks. <i>Computers and Chemical Engineering</i> , 2009, 33, 2018-2027.	3.8	18
62	Contrast Time-Density Time on Digital Subtraction Angiography Correlates With Cerebral Arteriovenous Malformation Flow Measured by Quantitative Magnetic Resonance Angiography, Angioarchitecture, and Hemorrhage. <i>Neurosurgery</i> , 2018, 83, 210-216.	1.1	18
63	<i>In Vivo</i> Intrathecal Tracer Dispersion in Cynomolgus Monkey Validates Wide Biodistribution Along Neuraxis. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1122-1132.	4.2	18
64	Quantification of blood flow patterns in the cerebral arterial circulation of individual (human) subjects. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3288.	2.1	17
65	Generation and assessment of batch processes with ecological considerations. <i>Computers and Chemical Engineering</i> , 1995, 19, 7-13.	3.8	16
66	An impedance sensor to monitor and control cerebral ventricular volume. <i>Medical Engineering and Physics</i> , 2009, 31, 838-845.	1.7	16
67	Medical Image Processing for Fully Integrated Subject Specific Whole Brain Mesh Generation. <i>Technologies</i> , 2015, 3, 126-141.	5.1	16
68	Voxelized simulation of cerebral oxygen perfusion elucidates hypoxia in aged mouse cortex. <i>PLoS Computational Biology</i> , 2021, 17, e1008584.	3.2	16
69	Model and Parameter Uncertainty in Distributed Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 7832-7840.	3.7	15
70	A hybrid sequential niche algorithm for optimal engineering design with solution multiplicity. <i>Computers and Chemical Engineering</i> , 2009, 33, 1261-1271.	3.8	14
71	Cerebral arteriovenous malformation venous stenosis is associated with hemodynamic changes at the draining vein-venous sinus junction. <i>Medical Hypotheses</i> , 2019, 123, 86-88.	1.5	14
72	Rigorous Separation Design. 1. Multicomponent Mixtures, Nonideal Mixtures, and Prefractionating Column Networks. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 6499-6513.	3.7	13

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73	Dynamic Brain Phantom for Intracranial Volume Measurements. IEEE Transactions on Biomedical Engineering, 2011, 58, 1450-1455.	4.2	13
74	Automatic Reconstruction and Generation of Structured Hexahedral Mesh for Non-planar Bifurcations in Vascular Networks. Computer Aided Chemical Engineering, 2015, 37, 635-640.	0.5	13
75	Mathematical synthesis of the cortical circulation for the whole mouse brainâ€™part II: Microcirculatory closure. Microcirculation, 2021, 28, e12687.	1.8	13
76	First principles pharmacokinetic modeling: A quantitative study on Cyclosporin. Computers and Chemical Engineering, 2013, 54, 97-110.	3.8	12
77	Correlation between angiographic transit times and neurological status on admission in patients with aneurysmal subarachnoid hemorrhage. Journal of Neurosurgery, 2016, 124, 1093-1099.	1.6	12
78	Aneurysm size and the Windkessel effect: An analysis of contrast intensity in digital subtraction angiography. Interventional Neuroradiology, 2017, 23, 357-361.	1.1	12
79	Assessing chronic liver toxicity based on relative gene expression data. Journal of Theoretical Biology, 2008, 254, 308-318.	1.7	11
80	A Barrier-Terrain Methodology for Global Optimization. Industrial & Engineering Chemistry Research, 2008, 47, 2666-2680.	3.7	11
81	Cerebrospinal fluid volume measurements in hydrocephalic rats. Journal of Neurosurgery: Pediatrics, 2012, 10, 347-354.	1.3	11
82	Starling forces drive intracranial water exchange during normal and pathological states. Croatian Medical Journal, 2017, 58, 384-394.	0.7	11
83	Symbolic Numeric Index Analysis Algorithm for Differential Algebraic Equations. Industrial & Engineering Chemistry Research, 2004, 43, 3886-3894.	3.7	10
84	Multiscale Modeling and Solution Multiplicity in Catalytic Pellet Reactors. Industrial & Engineering Chemistry Research, 2008, 47, 8572-8581.	3.7	10
85	Systems engineersâ€™ role in biomedical research. Convection-enhanced drug delivery. Computer Aided Chemical Engineering, 2018, , 271-302.	0.5	10
86	Constitutive relationship and governing physical properties for magnetophoresis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30208-30214.	7.1	10
87	Distributed System Design Under Uncertainty. Industrial & Engineering Chemistry Research, 2006, 45, 8352-8360.	3.7	9
88	Design of environmental regulatory policies for sustainable emission reduction. AIChE Journal, 2006, 52, 2792-2804.	3.6	9
89	Parallel Hybrid Algorithm for Process Flexibility Analysis. Industrial & Engineering Chemistry Research, 2008, 47, 8324-8336.	3.7	9
90	Design and optimization of energy efficient complex separation networks. Computers and Chemical Engineering, 2010, 34, 1556-1563.	3.8	9

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91	Embedded Control for Optimizing Flexible Dynamic Process Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 4993-5004.	3.7	9
92	Impedance Changes Indicate Proximal Ventriculoperitoneal Shunt Obstruction <i>&amp;lt;italic&gt;In Vitro&amp;lt;/italic&gt;</i> . <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 2787-2793.	4.2	9
93	Changes in contrast transit times on digital subtraction angiography post-Pipeline Embolization Device deployment. <i>Interventional Neuroradiology</i> , 2017, 23, 137-142.	1.1	9
94	Quantification of nearâ€wall hemodynamic risk factors in largeâ€scale cerebral arterial trees. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018, 34, e2987.	2.1	9
95	Exact solution of the diffusionâ€convection equation in cylindrical geometry. <i>AIChE Journal</i> , 2012, 58, 1299-1302.	3.6	8
96	Quantitative Integration of Biological, Pharmacokinetic, and Medical Imaging Data for Organ-Wide Dose-Response Predictions. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 625-632.	4.2	8
97	Image-guidance technology and the surgical resection of spinal column tumors. <i>Journal of Neuro-Oncology</i> , 2017, 131, 425-435.	2.9	8
98	An efficient full space-time discretization method for subject-specific hemodynamic simulations of cerebral arterial blood flow with distensible wall mechanics. <i>Journal of Biomechanics</i> , 2019, 87, 37-47.	2.1	8
99	Pollution prevention for production systems of energetic materials. <i>Waste Management</i> , 1998, 17, 165-173.	7.4	7
100	Batch process development: From reactions to manufacturing systems. <i>Computers and Chemical Engineering</i> , 1999, 23, S975-S984.	3.8	7
101	Metallurgical Process DesignA Tribute to Douglas' Conceptual Design Approach. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 3797-3805.	3.7	7
102	Conceptual design of metallurgical processes based on thermodynamic and economic insights. <i>Chemical Engineering and Processing: Process Intensification</i> , 2004, 43, 625-640.	3.6	7
103	Optimal Catheter Placement for Chemotherapy. <i>Computer Aided Chemical Engineering</i> , 2010, 28, 223-228.	0.5	7
104	Biomedical systems researchâ€New perspectives opened by quantitative medical imaging. <i>Computers and Chemical Engineering</i> , 2012, 36, 1-9.	3.8	7
105	Validation of parametric mesh generation for subject-specific cerebroarterial trees using modified Hausdorff distance metrics. <i>Computers in Biology and Medicine</i> , 2018, 100, 209-220.	7.0	7
106	Quantum Dot Conjugated Magnetic Nanoparticles for Targeted Drug Delivery and Imaging. <i>Nano Biomedicine and Engineering</i> , 2016, 8, .	0.9	7
107	TechTool â€” Computer-aided generation process models (Part 1 â€” A generic mathematical language). <i>Computers and Chemical Engineering</i> , 1999, 23, S703-S706.	3.8	6
108	Rigorous Separation Design. 2. Network Design Solutions for Mixtures with Various Volatility Differences and Feed Compositions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 8670-8684.	3.7	6

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109	Rigorous synthesis and simulation of complex distillation networks. <i>AIChE Journal</i> , 2011, 57, 136-148.	3.6	6
110	Computer simulations and in vivo convection-enhanced delivery of fluorescent nanoparticles demonstrate variable distribution geometry. <i>Computers and Chemical Engineering</i> , 2014, 71, 672-676.	3.8	6
111	2D parametric contrast time-density analysis for the prediction of complete aneurysm occlusion at six monthsâ€™ post-flow diversion stent. <i>Interventional Neuroradiology</i> , 2020, 26, 468-475.	1.1	6
112	A suite of neurophotonic tools to underpin the contribution of internal brain states in fMRI. <i>Current Opinion in Biomedical Engineering</i> , 2021, 18, 100273.	3.4	6
113	Graphical design and analysis of thermally coupled sidestream columns using column profile maps and temperature collocation. <i>AIChE Journal</i> , 2011, 57, 2406-2420.	3.6	5
114	Hybrid simulation of continuous-discrete systems. <i>Computer Aided Chemical Engineering</i> , 2000, 8, 163-168.	0.5	4
115	Pinch Point Calculations and Its Implications on Robust Distillation Design. <i>Chinese Journal of Chemical Engineering</i> , 2011, 19, 911-925.	3.5	4
116	Optimization of Complex Column Networks with Hybrid Genetic Algorithm. <i>Computer Aided Chemical Engineering</i> , 2012, 31, 1597-1601.	0.5	4
117	Modeling of Continuous-Discrete Processes. <i>Lecture Notes in Computer Science</i> , 2001, , 387-402.	1.3	4
118	Correlation Between Contrast Timeâ€™Density Time on Digital Subtraction Angiography and Flow: An in Vitro Study. <i>World Neurosurgery</i> , 2018, 110, e315-e320.	1.3	3
119	Drug Delivery Applications of Nanoparticles in the Spine. <i>Methods in Molecular Biology</i> , 2020, 2059, 121-143.	0.9	3
120	Case study on design of regulatory policies for sustainable emission reduction. <i>Computer Aided Chemical Engineering</i> , 2006, , 1119-1124.	0.5	2
121	Embedded Control for Optimizing Flexible Dynamic Process Performance. <i>Computer Aided Chemical Engineering</i> , 2009, , 1251-1256.	0.5	2
122	Integration of Design and Control for a large scale flowsheet. <i>Computer Aided Chemical Engineering</i> , 2010, , 1279-1284.	0.5	2
123	Three Dimensional Simulation and Experimental Investigation of Intrathecal Drug Delivery in the Spinal Canal and the Brain. <i>Computer Aided Chemical Engineering</i> , 2011, , 1525-1529.	0.5	2
124	A Computational Model of Cerebral Vasculature, Brain Tissue, and Cerebrospinal Fluid. <i>Computer Aided Chemical Engineering</i> , 2011, 29, 1530-1534.	0.5	2
125	Hemodynamics of cerebral micro vasculature. <i>Computer Aided Chemical Engineering</i> , 2012, 31, 1727-1731.	0.5	2
126	Interpretation of Cellular Imaging and AQP4 Quantification Data in a Single Cell Simulator. <i>Processes</i> , 2014, 2, 218-237.	2.8	2



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127	Cellular Obstruction Clearance in Proximal Ventricular Catheters Using Low-Voltage Joule Heating. IEEE Transactions on Biomedical Engineering, 2018, 65, 2503-2511.	4.2	2
128	Ratio of Arteriovenous Malformation Draining Vein to Adjacent Venous Sinus Diameter Is Associated with Increased Risk of Venous Stenosis. World Neurosurgery, 2019, 130, e1111-e1115.	1.3	2
129	Design and Optimization of Energy Efficient Complex Separation Networks. , 2009, , 747-755.		2
130	Plant-wide optimal waste management. Computers and Chemical Engineering, 1999, 23, S67-S70.	3.8	1
131	Robust Thermodynamically-guided Algorithms for Synthesis of Energy Efficient Separation Networks. Computer Aided Chemical Engineering, 2010, 28, 1117-1122.	0.5	1
132	Physiologically-Based Pharmacokinetic Modeling: Parameter Estimation for Cyclosporin A. Computer Aided Chemical Engineering, 2011, 29, 1543-1547.	0.5	1
133	Cerebrospinal Fluid Dynamics and Intrathecal Delivery. , 2018, , 829-846.		1
134	Prototype Biosensor for Detection of Myelin Basic Protein Biomarker in Hydrocephalus Diagnosis. Sensor Letters, 2016, 14, 84-92.	0.4	1
135	Decision making for batch manufacturing sites under uncertainty. Computer Aided Chemical Engineering, 2000, , 901-906.	0.5	0
136	Synthesis of Energy Efficient Complex Separation Networks. Computer Aided Chemical Engineering, 2009, 27, 1053-1058.	0.5	0
137	Modeling and Design of Distributed Systems; Methods and Algorithms. Computer Aided Chemical Engineering, 2009, 27, 95-100.	0.5	0
138	Systems engineers' role in biomedical research. Computer Aided Chemical Engineering, 2011, , 1535-1542.	0.5	0
139	Additive Manufacturing of Subject-Specific Spine Model for In-Vitro Intrathecal Drug Delivery Study. , 2016, , .		0
140	Mathematical Modeling Knowledge Acquisition about Brain Physics. , 2009, , 805-813.		0
141	Integrated Design and Control under Uncertainty Algorithms and Applications. , 2009, , 659-668.		0
142	Medical Image-based Systematic Design of Human Gene Silencing Therapies. Computer Aided Chemical Engineering, 2012, 31, 1732-1736.	0.5	0