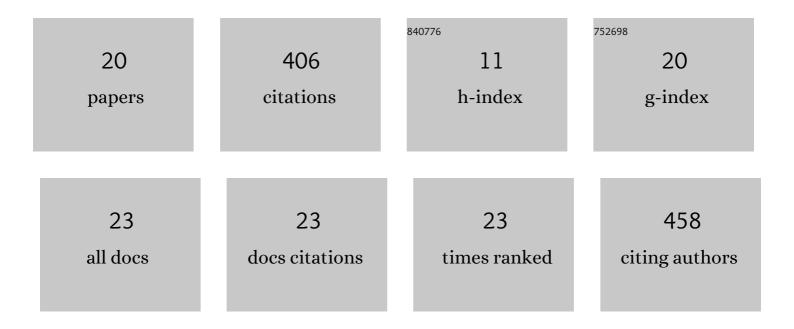
## Timothy A Barbari

List of Publications by Year in descending order

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ΤΙΜΟΤΗΥ Δ ΒΑΡΒΑΡΙ

#	Article	IF	CITATIONS
1	Diffusion of interleukinâ€⊋ from cells overlaid with cytocompatible enzyme rosslinked gelatin hydrogels. Journal of Biomedical Materials Research - Part A, 2010, 95A, 25-32.	4.0	35
2	A dual mode interpretation of the kinetics of penetrant-induced swelling and deswelling in a glassy polymer. Polymer, 2010, 51, 5145-5150.	3.8	11
3	A Dual Mode, Local Equilibrium Relaxation Model for Small Molecule Diffusion in a Glassy Polymer. Macromolecules, 2008, 41, 238-245.	4.8	16
4	Counteracting apoptosis and necrosis with hypoxia responsive expression of Bcl-2Δ. Metabolic Engineering, 2006, 8, 483-490.	7.0	5
5	Integrated non-invasive system for quantifying secreted human therapeutic hIL2. Biotechnology and Bioengineering, 2006, 95, 938-945.	3.3	4
6	Transport properties of pHEMA membranes for optical glucose affinity sensors. Journal of Membrane Science, 2003, 212, 75-86.	8.2	19
7	Time-resolved Fourier transform infrared/attenuated total reflection spectroscopy for the measurement of molecular diffusion in polymers. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2794-2807.	2.1	63
8	Quantitative Analysis of Polymer Dilation during Sorption Using FTIR-ATR Spectroscopy. Macromolecules, 2003, 36, 9574-9584.	4.8	34
9	Multicomponent diffusion of hydrogen-bonding solutes in a polymer. AICHE Journal, 2002, 48, 1610-1620.	3.6	19
10	Acetic Acid Diffusion in Polyisobutylene:Â Probing Small Molecule Structures. Industrial & Engineering Chemistry Research, 2001, 40, 3076-3084.	3.7	7
11	Effect of Penetrantâ^'Polymer Interactions on Molecular Diffusion in Conformational Isomers of a Heterogeneous Polymer. Macromolecules, 2001, 34, 6268-6273.	4.8	15
12	Transport of toluene/methyl ethyl ketone mixtures in polyisobutylene. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 908-914.	2.1	6
13	Separating solvation from molecular diffusion in polymers. AICHE Journal, 2001, 47, 1255-1262.	3.6	21
14	Solubility of organic solvents at infinite dilution in polyisobutylene. Journal of Applied Polymer Science, 2000, 76, 1980-1983.	2.6	1
15	Histologic evaluation of the inflammatory response around implanted hollow fiber membranes. Journal of Biomedical Materials Research Part B, 2000, 52, 183-192.	3.1	33
16	Modeling the Response Time of an In Vivo Glucose Affinity Sensor. Biotechnology Progress, 1999, 15, 259-266.	2.6	17
17	Single and multi-component diffusion at infinite dilution in polyisobutylene. Polymer International, 1999, 48, 901-908.	3.1	8
18	Permeation Breakthrough Models for Associating and Solvating Penetrants in a Membrane. Industrial & Engineering Chemistry Research, 1997, 36, 483-492.	3.7	3

#	Article	IF	CITATIONS
19	Effect of Unequal Transport Rates and Intersolute Solvation on the Selective Batch Extraction of a Dilute Mixture with a Dense Polymeric Sorbent. Industrial & Engineering Chemistry Research, 1996, 35, 1188-1194.	3.7	9
20	Analysis of diffusion in polymers using evanescent field spectroscopy. AICHE Journal, 1995, 41, 795-804.	3.6	76