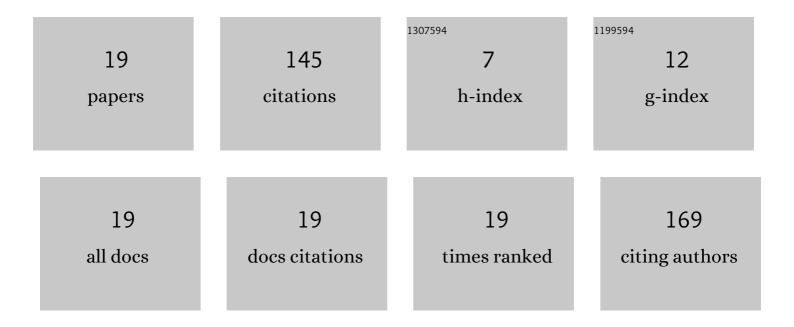
Peter J Ludovice

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Block copolymer directed self-assembly defect modes induced by localized errors in chemoepitaxial guiding underlayers: A molecular simulation study. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 032604.	1.2	2
2	Understanding and mitigating bridge defects in block copolymer directed self-assembly through computational materials design and optimization. , 2020, , .		2
3	Synthesis and self-assembly of high-ï‡ poly(4-tertbutylstyrene)-block-poly(2-hydroxyethylmethacrylate). Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2019, 37, .	1.2	4
4	Protracted Colored Noise Dynamics Applied to Linear Polymer Systems. Macromolecular Theory and Simulations, 2018, 27, 1700062.	1.4	4
5	Phenol-functionalized polymerization control additives for negative tone epoxide crosslinking molecular resists. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, .	1.2	0
6	Humour Applied to STEM Education. Systems Research and Behavioral Science, 2017, 34, 216-226.	1.6	8
7	Block copolymer directed self-assembly using chemoepitaxial guiding underlayers with topography. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, 06Gl01.	1.2	2
8	Effect of chemoepitaxial guiding underlayer design on the pattern quality and shape of aligned lamellae for fabrication of line-space patterns. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2017, 16, 1.	0.9	1
9	Free energy of defects in chemoepitaxial block copolymer directed self-assembly: effect of pattern density and defect position. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2017, 16, 1.	0.9	2
10	Calculations of the free energy of dislocation defects in lamellae forming diblock copolymers using thermodynamic integration. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2016, 15, 023505.	0.9	8
11	Coarse-grained molecular dynamics modeling of the kinetics of lamellar block copolymer defect annealing. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2016, 15, 013508.	0.9	10
12	Effect of chemoepitaxial guiding underlayer design on the pattern quality and shape of aligned lamellae for fabrication of line-space patterns. Proceedings of SPIE, 2015, , .	0.8	2
13	Detailed molecular dynamics studies of block copolymer directed self-assembly: Effect of guiding layer properties. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, 06F302.	1.2	15
14	Coarse grained molecular dynamics model of block copolymer directed self-assembly. Proceedings of SPIE, 2013, , .	0.8	15
15	The bigger, the better: Ring-size effects of macrocyclic oligomeric Co(iii)-salen catalysts. Chemical Science, 2011, 2, 429-438.	7.4	36
16	RIS Model of the Helixâ€Kink Conformation of Erythro Diisotactic Polynobornene. Macromolecular Theory and Simulations, 2010, 19, 421-431.	1.4	5
17	Structural and free-volume analysis for alkyl-substituted palladium-catalyzed poly(norbornene): A combined experimental and Monte Carlo investigation. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 215-233.	2.1	25
18	Small Molecule Diffusion in Polymer Ultra-Thin Films. Materials Research Society Symposia Proceedings, 2005, 899, 1.	0.1	1

#	Article	IF	CITATIONS
19	Effect of Thin Film Confinement on the Transport Properties of Ultra-Thin Polymer Films. Materials Research Society Symposia Proceedings, 2003, 790, 1.	0.1	3