

# Peter J Ludovice

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

145  
citations

1307594

7  
h-index

1199594

12  
g-index

19  
all docs

19  
docs citations

19  
times ranked

169  
citing authors

#	ARTICLE	IF	CITATIONS
1	The bigger, the better: Ring-size effects of macrocyclic oligomeric Co(III)-salen catalysts. <i>Chemical Science</i> , 2011, 2, 429-438.	7.4	36
2	Structural and free-volume analysis for alkyl-substituted palladium-catalyzed poly(norbornene): A combined experimental and Monte Carlo investigation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 215-233.	2.1	25
3	Detailed molecular dynamics studies of block copolymer directed self-assembly: Effect of guiding layer properties. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2013, 31, 06F302.	1.2	15
4	Coarse grained molecular dynamics model of block copolymer directed self-assembly. <i>Proceedings of SPIE</i> , 2013, , .	0.8	15
5	Coarse-grained molecular dynamics modeling of the kinetics of lamellar block copolymer defect annealing. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2016, 15, 013508.	0.9	10
6	Calculations of the free energy of dislocation defects in lamellae forming diblock copolymers using thermodynamic integration. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2016, 15, 023505.	0.9	8
7	Humour Applied to STEM Education. <i>Systems Research and Behavioral Science</i> , 2017, 34, 216-226.	1.6	8
8	RIS Model of the Helix-Kink Conformation of Erythro Diisotactic Polynorbornene. <i>Macromolecular Theory and Simulations</i> , 2010, 19, 421-431.	1.4	5
9	Protracted Colored Noise Dynamics Applied to Linear Polymer Systems. <i>Macromolecular Theory and Simulations</i> , 2018, 27, 1700062.	1.4	4
10	Synthesis and self-assembly of high- $\chi$ poly(4-tertbutylstyrene)-block-poly(2-hydroxyethylmethacrylate). <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019, 37, .	1.2	4
11	Effect of Thin Film Confinement on the Transport Properties of Ultra-Thin Polymer Films. <i>Materials Research Society Symposia Proceedings</i> , 2003, 790, 1.	0.1	3
12	Effect of chemoepitaxial guiding underlayer design on the pattern quality and shape of aligned lamellae for fabrication of line-space patterns. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
13	Block copolymer directed self-assembly using chemoepitaxial guiding underlayers with topography. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017, 35, 06G101.	1.2	2
14	Block copolymer directed self-assembly defect modes induced by localized errors in chemoepitaxial guiding underlayers: A molecular simulation study. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, 032604.	1.2	2
15	Free energy of defects in chemoepitaxial block copolymer directed self-assembly: effect of pattern density and defect position. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2017, 16, 1.	0.9	2
16	Understanding and mitigating bridge defects in block copolymer directed self-assembly through computational materials design and optimization. , 2020, , .		2
17	Small Molecule Diffusion in Polymer Ultra-Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2005, 899, 1.	0.1	1
18	Effect of chemoepitaxial guiding underlayer design on the pattern quality and shape of aligned lamellae for fabrication of line-space patterns. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2017, 16, 1.	0.9	1

#	ARTICLE	IF	CITATIONS
19	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