

# Wouter Mortelmans

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3332016/publications.pdf>

Version: 2024-02-01

9  
papers

133  
citations

1307366

7  
h-index

1474057

9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

219  
citing authors

#	ARTICLE	IF	CITATIONS
1	MoS <sub>2</sub> synthesis by gas source MBE for transition metal dichalcogenides integration on large scale substrates. Journal of Applied Physics, 2018, 123, .	1.1	26
2	Epitaxy of 2D chalcogenides: Aspects and consequences of weak van der Waals coupling. Applied Materials Today, 2021, 22, 100975.	2.3	25
3	On the van der Waals Epitaxy of Homo-/Heterostructures of Transition Metal Dichalcogenides. ACS Applied Materials & Interfaces, 2020, 12, 27508-27517.	4.0	22
4	Peculiar alignment and strain of 2D WSe <sub>2</sub> grown by van der Waals epitaxy on reconstructed sapphire surfaces. Nanotechnology, 2019, 30, 465601.	1.3	17
5	Importance of the substrate's surface evolution during the MOVPE growth of 2D-transition metal dichalcogenides. Nanotechnology, 2020, 31, 125604.	1.3	15
6	Epitaxial registry and crystallinity of MoS <sub>2</sub> via molecular beam and metalorganic vapor phase van der Waals epitaxy. Applied Physics Letters, 2020, 117, .	1.5	11
7	Fundamental limitation of van der Waals homoepitaxy by stacking fault formation in WSe <sub>2</sub> . 2D Materials, 2020, 7, 025027.	2.0	11
8	Role of Stronger Interlayer van der Waals Coupling in Twin-Free Molecular Beam Epitaxy of 2D Chalcogenides. Advanced Materials Interfaces, 2021, 8, 2100438.	1.9	3
9	Measuring and Then Eliminating Twin Domains in SnSe Thin Films Using Fast Optical Metrology and Molecular Beam Epitaxy. ACS Nano, 2022, 16, 9472-9478.	7.3	3