

# Bernd Mayer

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

109  
citations

1478505

6  
h-index

1474206

9  
g-index

22  
all docs

22  
docs citations

22  
times ranked

108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon, Glass and Basalt Fiber Reinforced Polybenzoxazine: The Effects of Fiber Reinforcement on Mechanical, Fire, Smoke and Toxicity Properties. <i>Polymers</i> , 2020, 12, 2379.	4.5	16
2	Numerical and Experimental Studies on the Clinch-Bonding and Riv-Bonding Process. <i>Key Engineering Materials</i> , 2012, 504-506, 771-776.	0.4	14
3	Influence of Embedding Fiber Optical Sensors in CFRP Film Adhesive Joints on Bond Strength. <i>Sensors</i> , 2020, 20, 1665.	3.8	12
4	Adhesive Distribution and Global Deformation between Hybrid Joints. <i>Key Engineering Materials</i> , 0, 651-653, 1465-1471.	0.4	10
5	Effects of flame-retardant additives on the manufacturing, mechanical, and fire properties of basalt fiber-reinforced polybenzoxazine. <i>Polymer Engineering and Science</i> , 2021, 61, 551-561.	3.1	8
6	Surface analytical approaches contributing to quality assurance during manufacture of functional interfaces. <i>Applied Adhesion Science</i> , 2015, 3, .	1.5	6
7	Influence of copper layer on epoxy acrylate based solder mask surface chemistry and the effect on epoxy adhesion. <i>Applied Adhesion Science</i> , 2015, 3, .	1.5	6
8	A Comprehensive Study about the Role of Crosslink Density on the Tribological Behavior of DLC Coated Rubber. <i>Materials</i> , 2020, 13, 5460.	2.9	6
9	Distribution and avoidance of debris on epoxy resin during UV ns-laser scanning processes. <i>Applied Surface Science</i> , 2018, 440, 1107-1115.	6.1	5
10	A novel <i>in situ</i> method to determine volume shrinkage of curing adhesives. <i>Journal of Adhesion</i> , 2023, 99, 406-431.	3.0	5
11	Ageing of anhydride-hardened epoxies in lubricants at elevated temperatures. <i>Journal of Applied Polymer Science</i> , 2017, 134, 44877.	2.6	3
12	Evaluation of process influences on surface chemistry of epoxy acrylate based solder mask via XPS, ToF-SIMS and contact angle measurement. <i>Materials Chemistry and Physics</i> , 2017, 185, 129-136.	4.0	3
13	Filament breaking length – Experimental and numerical investigations. <i>International Journal of Adhesion and Adhesives</i> , 2018, 87, 47-63.	2.9	3
14	Treatment of Flax Fabric with AP-DBD in Parallel Plane Configuration. <i>Plasma</i> , 2019, 2, 272-282.	1.8	3
15	The effects of manufacturing processes on the physical and mechanical properties of basalt fibre reinforced polybenzoxazine. <i>Composites Communications</i> , 2021, 24, 100646.	6.3	3
16	Characterization of a non-destructive microwave technique for the detection and quantification of water in thermosets and thermoplastics. <i>NDT and E International</i> , 2015, 76, 9-16.	3.7	2
17	Friction and Deformation Behavior of Elastomers. <i>Materials Sciences and Applications</i> , 2019, 10, 527-542.	0.4	2
18	Nondestructive testing of contaminated CFRP surfaces with the BonNDTinspect® system. <i>Applied Adhesion Science</i> , 2017, 5, .	1.5	1

#	ARTICLE	IF	CITATIONS
19	Integrating Extended Non-destructive Testing in the Life Cycle Management of Bonded Products – Some Perspectives. , 2021, , 331-350.		1
20	Adhesive Bonding of Pretreated and Coated Substrates. , 2002, , .		0
21	Electron beam cured acrylates as potential planarization layers. Materials Chemistry and Physics, 2021, 274, 125161.	4.0	0
22	COMPARATIVE STUDY OF AN INDUSTRIAL ROTARY BELL SPRAY PAINTING ATOMIZATION PROCESS USING LASER DIFFRACTION AND TIME-SHIFT TECHNIQUES. Atomization and Sprays, 2020, 30, 825-841.	0.8	0