

Kamila Piotrowska

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2808649/publications.pdf>

Version: 2024-02-01

17
papers

199
citations

1162367

8
h-index

1125271

13
g-index

17
all docs

17
docs citations

17
times ranked

85
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Parametric Study of Solder Flux Hygroscopicity: Impact of Weak Organic Acids on Water Layer Formation and Corrosion of Electronics. <i>Journal of Electronic Materials</i> , 2018, 47, 4190-4207. | 1.0 | 41 |
| 2 | Thermal decomposition of solder flux activators under simulated wave soldering conditions. <i>Soldering and Surface Mount Technology</i> , 2017, 29, 133-143. | 0.9 | 27 |
| 3 | Humidity-related failures in electronics: effect of binary mixtures of weak organic acid activators. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17834-17852. | 1.1 | 26 |
| 4 | No-Clean Solder Flux Chemistry and Temperature Effects on Humidity-Related Reliability of Electronics. <i>Journal of Electronic Materials</i> , 2019, 48, 1207-1222. | 1.0 | 25 |
| 5 | Effect of Solder Mask Surface Chemistry and Morphology on the Water Layer Formation Under Humid Conditions. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018, 8, 1756-1768. | 1.4 | 16 |
| 6 | Residue-Assisted Water Layer Build-Up Under Transient Climatic Conditions and Failure Occurrences in Electronics. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020, 10, 1617-1635. | 1.4 | 16 |
| 7 | Steam assisted oxide growth on aluminium alloys using oxidative chemistries: Part I Microstructural investigation. <i>Applied Surface Science</i> , 2015, 355, 820-831. | 3.1 | 15 |
| 8 | Thermal decomposition of binary mixtures of organic activators used in no-clean fluxes and impact on PCBA corrosion reliability. <i>Soldering and Surface Mount Technology</i> , 2019, 32, 93-103. | 0.9 | 10 |
| 9 | Introduction of axial chirality at a spiro carbon atom in the synthesis of pentaerythritolâ€“imine macrocycles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 981-987. | 1.5 | 7 |
| 10 | Alkanolamines as activators in no-clean flux systems: investigation of humidity robustness and solderability. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4961-4981. | 1.1 | 6 |
| 11 | Transformation of reflow solder flux residue under humid conditions. <i>Microelectronics Reliability</i> , 2021, 123, 114195. | 0.9 | 5 |
| 12 | Humidity Robustness of Plasma-Coated PCBs. <i>Journal of Electronic Materials</i> , 2020, 49, 848-860. | 1.0 | 3 |
| 13 | Investigation on the Hygroscopicity of Deposits at the Cold-End of Biomass and Coal-Fired Plants. <i>Energy & Fuels</i> , 2021, 35, 8006-8022. | 2.5 | 1 |
| 14 | Importance of PCBA cleanliness in humidity interaction with electronics. , 2022, , 141-196. | | 1 |
| 15 | Factors determining water film buildup on surfaces and relevance to corrosion in electronics. , 2022, , 93-140. | | 0 |
| 16 | Materials and processes for electronic devices and components: how they contribute to corrosion reliability?. , 2022, , 197-250. | | 0 |
| 17 | Corrosion reliability testing, standards, and failure analysis. , 2022, , 339-380. | | 0 |