

## Lista completa delle pubblicazioni revisionate alla pari

- (135) Marrani, A.G.; Coico, A.C.; Giacco, D.; Zanoni, R.; Motta, A.; Schrebler, R.; Dini, D.; Di Girolamo, D.; Dalchiele, E.A.  
**Flexible Interfaces between Reduced Graphene Oxide and Indium Tin Oxide/Polyethylene Terephthalate for Advanced Optoelectronic Devices**  
ACS Appl. Nano Mater. , 2, 5963-5972 (2019)  
<https://doi.org/10.1021/acsanm.9b01399> **IF: NA**
- (134) Zappi, D.; Sadun, C.; Gontrani, L.; Dini, D.; Antonelli, M.L.  
**A new electrochemical sensor for extra-virgin olive oils classification**  
Food Control, 109, 106903/1-6 (2020) **IF:4.248**  
<https://doi.org/10.1016/j.foodcont.2019.106903>
- (133) Di Girolamo, D.; Piccinni, M.; Matteocci, F.; Marrani, A.G.; Zanoni, R.; Dini, D.  
**Investigating the Electrodeposition Mechanism of Anodically Grown NiOOH Films on Transparent Conductive Oxides**  
Electrochimica Acta, 319, 175-184 (2019) **IF: 5.383**  
<https://doi.org/10.1016/j.electacta.2019.06.170>
- (132) Di Girolamo, D.; Matteocci, F.; Kosasih, F.U.; Chistiakova, G.; Zuo, W.; Korte, L.; Divitini, G.; Korte, L.; Ducati, C.; Di Carlo, A.; Dini, D.; Abate, A.  
**Stability and dark hysteresis correlate in NiO-based perovskite solar cell**  
Adv. Energy Mater., 1901642/1-10 (2019) **IF: 24.884**  
<https://doi.org/10.1002/aenm.201901642>
- (131) Di Girolamo, D.; Phung, N.; Jošt, M.; Al-Ashouri, A.; Chistiakova, G.; Li, J.; Márquez, J.A.; Unold, T.; Korte, L.; Albrecht, S.; Di Carlo, A.; Dini, D.; Abate, A.  
**From Bulk to Surface: Sodium Treatment Reduces Recombination at the Nickel Oxide/Perovskite Interface**  
Adv. Mater. Interfaces, 1900789/1-11 (2019) **IF: 4.713**  
<https://doi.org/10.1002/admi.201900789>

- (130) Bonomo, M.; Mariani, P.; Mura, F.; Di Carlo, A.; Dini, D.  
**Nanocomposites of nickel oxide and zirconia for the preparation of photocathodes with improved performance in p-type dye-sensitized solar cells**  
J. Electrochem. Soc., 166, D290-D300 (2019) **IF:3.120**  
<https://dx.doi.org/10.1149/2.0691908jes>
- (129) Di Girolamo, D.; Ibrahim-Dar, M.; Dini, D.; Gontrani, L.; Caminiti, R.; Mattoni, A.; Grätzel, M.; Meloni, S.  
**Dual effect of humidity on cesium lead bromide: enhancement and degradation of perovskite film**  
J. Mater. Chem. A, 7, 12292-12302 (2019) **IF:10.733**  
<https://dx.doi.org/10.1039/C9TA00715F>
- (128) Bonomo, M.; Barbero, N.; Naponiello, G.; Giordano, M.; Dini, D.; Barolo, C.  
**Sodium Hydroxide pretreatment as an effective approach to reduce the dye/holes recombination reaction in p-type DSCs**  
Frontiers in Chemistry, 7, 99/1- 9 (2019) **IF: 3.782**  
<https://dx.doi.org/10.3389/fchem.2019.00099>
- (127) Marrani, A.G.; Bonomo, M.; Dini, D.  
**Adsorption dynamics of redox active species onto polarized surfaces of sensitized NiO**  
ACS Omega, 4, 1690-1699 (2019) **IF: 2.584**  
<https://dx.doi.org/10.1021/acsomega.8b02543>
- (126) Gontrani, L.; Bonomo, M.; Plechkova, N.V.; Dini, D.; Caminiti, R.  
**X-ray structure and ionic conductivity study of an anhydrous and hydrated choline chloride and oxalic acid deep eutectic solvent**  
Phys. Chem. Chem. Phys., 20, 30120-30124 (2018) **IF: 3.567**  
<https://dx.doi.org/10.1039/C8CP06728G>
- (125) Dini, D.; Bonomo, M.; Decker, F.  
**Electrochemical and photoelectrochemical properties of nickel oxide (NiO) with nanostructured morphology for**

## **photoconversion applications**

Frontiers in Chemistry, 6, 601/1-16 (2018) **IF: 3.782**

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- (124) Bonomo, M.; Di Carlo, A.; Dini, D.  
**Study of the influence of the I-based electrolyte composition on the photoconversion properties of p-type dye-sensitized solar cells**  
J. Electrochem. Soc., 165, H889-H896 (2018) **IF: 3.120**  
<https://dx.doi.org/10.1149/2.0261814jes>
- (123) Zappi, D.; Gabriele S.; Gontrani, L.; Dini, D.; Sadun, C.; Marini, F.; Antonelli, M.L.  
**Biologically friendly room temperature ionic liquids and nanomaterials for the development of innovative enzymatic biosensors: part II**  
Talanta, 194, 26-31 (2019) **IF: 4.916**  
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- (122) Bonomo, M.; Gatti, D.; Barolo, C.; Dini, D.  
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- (121) Bonomo, M.; Sheehan, S.; Dowling, D.P.; Gontrani, L.; Dini, D.  
**First Evidence of Electrode Reconstruction in Mesoporous NiO After Operation as Photocathode of Dye-Sensitized Solar Cells**  
ChemistrySelect, 3, 6729-6736 (2018) **IF: 1.716**  
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- (120) Bonomo, M.; Di Carlo, A.; Centore, R.; Dini, D.; Carella, A.  
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<https://doi.org/10.1016/j.solener.2018.04.050>
- (119) Bonomo, M.; Naponiello, G.; Dini, D.

**Oxidative dissolution of NiO in aqueous electrolyte: an impedance study**

J. Electroanal. Chem., 816, 205-214 (2018) **IF: 3.218**

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- (118) Marrani, A.G.; Coico, A.C.; Giacco, D.; Zanoni, R.; Scaramuzzo, F.A.; Schrebler, R.; Dini, D.; Bonomo, M.; Dalchiele, E.A.

**Integration of graphene onto silicon through electrochemical reduction of graphene oxide layers in non-aqueous medium**

Appl. Surf. Sci., 445, 404-414 (2018) **IF: 5.155**

<https://doi.org/10.1016/j.apsusc.2018.03.147>

- (117) Calvete, M.J.F.; Dini, D.

**Conjugated macrocyclic materials with photoactivated optical absorption for the control of energy transmission delivered by pulsed radiations**

J. Photochem. Photobio. C, 35, 56-73 (2018) **IF: 10.405**

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- (116) Bonomo, M.; Magistris, C.; Buscaino, R.; Fin, A.; Barolo, C.; Dini, D.

**Effect of sodium hydroxide pretreatment of NiO<sub>x</sub> cathodes on the performance of squaraine-sensitized *p*-type dye-sensitized solar cells**

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- (115) Bonomo, M.; Saccone, D.; Magistris, C.; Barolo, C.; Cinà, L.; Di Carlo, A.; Dini, D.

**Influence of the conditions of sensitization on the characteristics of *p*-DSCs sensitized with asymmetric squaraines**

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**First examples of pyran based colorants as sensitizing agents of *p*-type dye-sensitized solar cells**

J. Electrochem. Soc., 164, F1412-F1418(2017) **IF: 3.662**

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- (113) Mariani A., Bonomo M., Wu B., Centrella B., Dini D., Castner E.W. Jr., Gontrani L.  
**Intriguing transport dynamics of ethylammonium nitrate-acetonitrile binary mixtures arising from nano-inhomogeneity**  
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**Limits on the use of cobalt sulfide as anode of p-type dye-sensitized solar cells**  
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- (109) Bonomo, M.; Sabuzi, F.; Di Carlo, A.; Conte, V.; Dini, D.; Galloni, P.  
**KuQuinones as sensitizers of NiO based p-type dye-sensitized solar cells**  
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- (108) Bonomo, M.; Marrani, A.G.; Novelli, V.; Awais, M.; Dowling,

D.P.; Vos, J.G.; Dini, D.

**Surface properties of nanostructured NiO undergoing electrochemical oxidation in 3-methoxypropionitrile**

Appl. Surf. Sci., 403, 441-447 (2017) **IF: 4.439**

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**Electrochemical and photoelectrochemical properties of screen-printed nickel oxide thin films obtained from precursor pastes with different compositions**

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**Printed  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> and Al<sub>x</sub>Fe<sub>2-x</sub>O<sub>3</sub> as Suitable Photoanodes for p-Type Dye Sensitized Solar Cells**

J. Nanopart. Res., 19, 7/1-14 (2017) **IF: 2.127**

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**Nonlinear optical materials for the smart filtering of the optical radiation**

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Langmuir, 32, 11540-11550 (2016) **IF: 3.833**

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**Beneficial effect of electron withdrawing groups on the sensitizing action of squaraines for p-type dye sensitized solar cells**

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