# Davide Carboni

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8377758/publications.pdf

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| 31 | 665 | 566801 | 552369 |
|---|---|---|---|
| papers | citations | 15 h-index | 26 g-index |

| 32 | 32 | 32 | 991 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The First Example of Molecularly Imprinted Nanogels with Aldolase Type I Activity. Chemistry - A European Journal, 2008, 14, 7059-7065. | 1.7 | 72 |
| 2 | Design of Carbon Dots Photoluminescence through Organo-Functional Silane Grafting for Solid-State Emitting Devices. Scientific Reports, 2017, 7, 5469. | 1.6 | 68 |
| 3 | Highly durable graphene-mediated surface enhanced Raman scattering (G-SERS) nanocomposites for molecular detection. Applied Surface Science, 2018, 450, 451-460. | 3.1 | 63 |
| 4 | Graphene and carbon nanodots in mesoporous materials: an interactive platform for functional applications. Nanoscale, 2015, 7, 12759-12772. | 2.8 | 60 |
| 5 | Energy Transfer Induced by Carbon Quantum Dots in Porous Zinc Oxide Nanocomposite Films. Journal of Physical Chemistry C, 2015, 119, 2837-2843. | 1.5 | 55 |
| 6 | Thermoresponsive Wrinkles on Hydrogels for Soft Actuators. Advanced Materials Interfaces, 2016, 3, 1500802. | 1.9 | 33 |
| 7 | Graphene-mediated surface enhanced Raman scattering in silica mesoporous nanocomposite films. Physical Chemistry Chemical Physics, 2014, 16, 25809-25818. | 1.3 | 32 |
| 8 | Incorporation of graphene into silica-based aerogels and application for water remediation. RSC Advances, 2016, 6, 66516-66523. | 1.7 | 30 |
| 9 | Molecularly imprinted La-doped mesoporous titania films with hydrolytic properties toward organophosphate pesticides. New Journal of Chemistry, 2013, 37, 2995. | 1.4 | 25 |
| 10 | Enhanced Photocatalytic Activity in Low-Temperature Processed Titania Mesoporous Films. Journal of Physical Chemistry C, 2014, 118, 12000-12009. | 1.5 | 22 |
| 11 | Smart tailoring of the surface chemistry in GPTMS hybrid organicâ€“inorganic films. New Journal of Chemistry, 2014, 38, 1635-1640. | 1.4 | 21 |
| 12 | Microgels and Nanogels with Catalytic Activity. Topics in Current Chemistry, 2010, 325, 307-342. | 4.0 | 19 |
| 13 | Improving the Selective Efficiency of Graphene-Mediated Enhanced Raman Scattering through Molecular Imprinting. ACS Applied Materials & Interfaces, 2016, 8, 34098-34107. | 4.0 | 18 |
| 14 | Graphene Oxide-Silver Nanoparticles in Molecularly-Imprinted Hybrid Films Enabling SERS Selective Sensing. Materials, 2018, 11, 1674. | 1.3 | 16 |
| 15 | Introducing Ti-GERS: Raman Scattering Enhancement in Graphene-Mesoporous Titania Films. Journal of Physical Chemistry Letters, 2015, 6, 3149-3154. | 2.1 | 15 |
| 16 | On the relationship between structure and reaction rate in olefin ring-closing metathesis. Chemical Communications, 2010, 46, 7145. | 2.2 | 14 |
| 17 | Solâ€toâ€Gel Transition in Fast Evaporating Systems Observed by in Situ Timeâ€Resolved Infrared Spectroscopy. ChemPhysChem, 2015, 16, 1933-1939. | 1.0 | 14 |
| 18 | Toward a Simulation Approach for Alkene Ring-closing Metathesis: Scope and Limitations of a Model for RCM. Journal of Organic Chemistry, 2011, 76, 8386-8393. | 1.7 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | In situ growth of Ag nanoparticles in grapheneâ€“TiO2 mesoporous films induced by hard X-ray. Journal of Sol-Gel Science and Technology, 2016, 79, 295-302. | 1.1 | 11 |
| 20 | Mesoscale organization of titania thin films enables oxygen sensing at room temperature. Journal of Materials Chemistry C, 2017, 5, 11815-11823. | 2.7 | 11 |
| 21 | Selective detection of organophosphate through molecularly imprinted GERSâ€active hybrid organicâ€“inorganic materials. Journal of Raman Spectroscopy, 2018, 49, 189-197. | 1.2 | 10 |
| 22 | Pore-confined synthesis of mesoporous nanocrystalline Laâ€“Ce phosphate films for sensing applications. Journal of Materials Chemistry, 2012, 22, 20498. | 6.7 | 9 |
| 23 | Getting order in mesostructured thin films, from pore organization to crystalline walls, the case of 3-glycidoxypropyltrimethoxysilane. Physical Chemistry Chemical Physics, 2015, 17, 10679-10686. | 1.3 | 8 |
| 24 | Phenyl-modified hybrid organic-inorganic microporous films as high efficient platforms for styrene sensing. Microporous and Mesoporous Materials, 2020, 294, 109877. | 2.2 | 8 |
| 25 | Synthesis of indole derivatives by domino hydroformylation/indolization of 2-nitrocinnamaldehydes. Journal of Molecular Catalysis A, 2008, 288, 103-108. | 4.8 | 5 |
| 26 | Hard X-rays for processing hybrid organicâ€“inorganic thick films. Journal of Synchrotron Radiation, 2016, 23, 267-273. | 1.0 | 5 |
| 27 | Engineering the surface of hybrid organicâ€“inorganic films with orthogonal grafting of oxide nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1. | 0.8 | 4 |
| 28 | Magnetic coreâ€“shell nanoparticles coated with a molecularly imprinted organogel for organophosphate hydrolysis. Journal of Sol-Gel Science and Technology, 2016, 79, 395-404. | 1.1 | 4 |
| 29 | Greener Chemistry for Hybrid Materials, Alcoholâ€Free Synthesis with an Epoxyâ€Cyclohexyl Precursor. Macromolecular Materials and Engineering, 2017, 302, 1600394. | 1.7 | 0 |
| 30 | Graphene and Carbon Dots in Mesoporous Materials. , 2016, , 1-30. | | 0 |
| 31 | Graphene and Carbon Dots in Mesoporous Materials. , 2018, , 2339-2368. | | 0 |