Jose MuÃ±oz

List of Publications by Year
in descending order

34 papers	793 citations	516710 16 h-index	501196 28 g-index
35 all docs	35 docs citations	35 times ranked	797 citing authors

#	Article	IF	Citations
1	Trends in electrochemical impedance spectroscopy involving nanocomposite transducers: Characterization, architecture surface and bio-sensing. TrAC - Trends in Analytical Chemistry, 2017, 97, 201-215.	11.4	110
2	3D-printed biosensors for electrochemical and optical applications. TrAC - Trends in Analytical Chemistry, 2020, 128, 115933.	11.4	92
3	3D-Printed COVID-19 immunosensors with electronic readout. Chemical Engineering Journal, 2021, 425, 131433.	12.7	54
4	Modified multiwalled carbon nanotube/epoxy amperometric nanocomposite sensors with CuO nanoparticles for electrocatalytic detection of free chlorine. Microchemical Journal, 2015, 122, 189-196.	4.5	53
5	Green activation using reducing agents of carbon-based 3D printed electrodes: Turning good electrodes to great. Carbon, 2021, 175, 413-419.	10.3	47
6	Accounts in 3Dâ€Printed Electrochemical Sensors: Towards Monitoring of Environmental Pollutants. ChemElectroChem, 2020, 7, 3404-3413.	3.4	43
7	Amperometric thyroxine sensor using a nanocomposite based on graphene modified with gold nanoparticles carrying a thiolated Î²-cyclodextrin. Mikrochimica Acta, 2016, 183, 1579-1589.	5.0	40
8	Customized Bioâ€functionalization of Nanocomposite Carbon Paste Electrodes for Electrochemical Sensing: A Mini Review. Electroanalysis, 2017, 29, 1660-1669.	2.9	34
9	Tailoring capacitance of 3D-printed graphene electrodes by carbonisation temperature. Nanoscale, 2020, 12, 19673-19680.	5.6	28
10	Characterization protocol to improve the electroanalytical response of grapheneâ€“polymer nanocomposite sensors. Composites Science and Technology, 2016, 125, 71-79.	7.8	26
11	Chiral 3Dâ€printed Bioelectrodes. Advanced Functional Materials, 2021, 31, 2010608.	14.9	26
12	Selfâ€Propelled Multifunctional Microrobots Harboring Chiral Supramolecular Selectors for â€œEnantiorecognitionâ€onâ€theâ€Flyâ€• Angewandte Chemie - International Edition, 2022, 61, e202116090.	13.8	25
13	Intermatrix Synthesis as a rapid, inexpensive and reproducible methodology for the in situ functionalization of nanostructured surfaces with quantum dots. Applied Surface Science, 2016, 368, 417-426.	6.1	20
14	Simple green routes for the customized preparation of sensitive carbon nanotubes/epoxy nanocomposite electrodes with functional metal nanoparticles. RSC Advances, 2014, 4, 44517-44524.	3.6	19
15	Carbon nanotube-based nanocomposite sensor tuned with a catechol as novel electrochemical recognition platform of uranyl ion in aqueous samples. Sensors and Actuators B: Chemical, 2018, 273, 1807-1815.	7.8	18
16	Multiresponsive 2D Ti₃C₂T_x MXene via Implanting Molecular Properties. ACS Nano, 2021, 15, 10067-10075.	14.6	16
17	Carbon-paste nanocomposites as unconventional gate electrodes for electrolyte-gated organic field-effect transistors: electrical modulation and bio-sensing. Journal of Materials Chemistry C, 2019, 7, 14993-14998.	5.5	14
18	Bistable (Supra)molecular Switches on 3D-Printed Responsive Interfaces with Electrical Readout. ACS Applied Materials & Interfaces, 2021, 13, 12649-12655.	8.0	14

#	Article	IF	Citations
19	Versatile Design of Functional Organicâ€“Inorganic 3Dâ€Printed (Opto)Electronic Interfaces with Custom Catalytic Activity. Small, 2021, 17, e2103189.	10.0	14
20	Ruthenium nanoparticles supported on carbon-based nanoallotropes as co-catalyst to enhance the photocatalytic hydrogen evolution activity of carbon nitride. Renewable Energy, 2021, 168, 668-675.	8.9	11
21	Carbonâ€Rich Monolayers on ITO as Highly Sensitive Platforms for Detecting Polycyclic Aromatic Hydrocarbons in Water: The Case of Pyrene. Chemistry - A European Journal, 2017, 23, 15289-15293.	3.3	10
22	Study of carbon nanotube-rich impedimetric recognition electrode for ultra-low determination of polycyclic aromatic hydrocarbons in water. Mikrochimica Acta, 2018, 185, 255.	5.0	10
23	Synthesis of 0D to 3D hybrid-carbon nanomaterials carrying platinum(0) nanoparticles: Towards the electrocatalytic determination of methylparabens at ultra-trace levels. Sensors and Actuators B: Chemical, 2020, 305, 127467.	7.8	10
24	Selective Discrimination of Toxic Polycyclic Aromatic Hydrocarbons in Water by Targeting Ï€-Stacking Interactions. ACS Applied Materials & Interfaces, 2020, 12, 26688-26693.	8.0	10
25	Intermatrix synthesis of Ag, AgAu and Au nanoparticles by the galvanic replacement strategy for bactericidal and electrocatalytically active nanocomposites. New Journal of Chemistry, 2016, 40, 10344-10352.	2.8	9
26	Synergistic Exploitation of the Superoxide Scavenger Properties of Reduced Graphene Oxide and a Trityl Organic Radical for the Impedimetric Sensing of Xanthine. Advanced Materials Interfaces, 2018, 5, 1701072.	3.7	8
27	Design of bimetallic 3D-printed electrocatalysts via galvanic replacement to enhance energy conversion systems. Applied Catalysis B: Environmental, 2022, 316, 121609.	20.2	8
28	Cyclodextrin-based superparamagnetic host vesicles as ultrasensitive nanobiocarriers for electrosensing. Nanoscale, 2020, 12, 9884-9889.	5.6	6
29	Faceted Crystal Nanoarchitectonics of Organicâ€“Inorganic 3D-Printed Visible-Light Photocatalysts. ACS Applied Energy Materials, 2022, 5, 3252-3258.	5.1	6
30	Electronic Performance of Polymer Carbonâ€Paste Nanoallotropes from 0D to 3D as Novel Gate Electrodes in Waterâ€Gated Organic Fieldâ€Effect Transistors. Advanced Electronic Materials, 2020, 6, 2000431.	5.1	4
31	Functional metal-based 3D-printed electronics engineering: Tunability and bio-recognition. Applied Materials Today, 2022, 28, 101519.	4.3	4
32	Selfâ€Propelled Multifunctional Microrobots Harboring Chiral Supramolecular Selectors for â€œEnantiorecognitonâ€onâ€theâ€Flyâ€. Angewandte Chemie, 2022, 134, .	2.0	3
33	Limitations and Benefits of MAX Phases in Electroanalysis. Electroanalysis, 0, , .	2.9	0
34	InnenrÃ¼cktitelbild: Selfâ€Propelled Multifunctional Microrobots Harboring Chiral Supramolecular Selectors for â€œEnantiorecognitonâ€onâ€theâ€Flyâ€(Angew. Chem. 14/2022). Angewandte Chemie, 2022, 134, .	2.0	0