Yuan-Hsiang Yu

List of Publications by Year
in descending order

43	2,161	257450 24	276875 41
papers	citations	h-index	g-index

43	43	43	2420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Morphological evolution of nanosheets-stacked spherical ZnO for preparation of GO-Zn/ZnO ternary nanocomposite: A novel electrochemical platform for nanomolar detection of antihistamine promethazine hydrochloride. Journal of Alloys and Compounds, 2022, 890, 161768.	5.5	15
2	Electron transfer dynamics and enhanced H2 production activity of hydrangea-like BiOBr/Bi2S3-based photocatalysts with Cu-complex as a redox mediator. Applied Surface Science, 2022, 576, 151870.	6.1	14
3	A multifunctional ligand for defect passivation of perovskite film realizes air-stable perovskite solar cells with efficiencies exceeding 20%. Sustainable Energy and Fuels, 2022, 6, 1950-1958.	4.9	6
4	Flexible epoxy graphene thermoset with excellent weather and corrosion resistance. Progress in Organic Coatings, 2021, 151, 106052.	3.9	7
5	Enhancing charge transport performance of perovskite solar cells by using reduced graphene oxide-cysteine/nanogold hybrid material in the active layer. FlatChem, 2021, 28, 100254.	5.6	12
6	A frontier Zn- and N-rich complex grafted onto reduced graphene oxide for the electrocatalysis of dye-sensitized solar cells. Dalton Transactions, 2020, 49, 9035-9047.	3.3	4
7	Sonochemical synthesis of iron-graphene oxide/honeycomb-like ZnO ternary nanohybrids for sensitive electrochemical detection of antipsychotic drug chlorpromazine. Ultrasonics Sonochemistry, 2019, 59, 104696.	8.2	37
8	A study of novel macrocyclic copper complex/grapheneâ€based composite materials for counter electrodes of dyeâ€sensitized solar cells. Journal of the Chinese Chemical Society, 2019, 66, 996-1007.	1.4	5
9	Synthesis of reduced graphene oxide/macrocyclic ytterbium complex nanocomposites and their application in the counter electrodes of dye-sensitized solar cells. Organic Electronics, 2019, 64, 166-175.	2.6	14
10	Fabrication of reduced graphene oxide/macrocyclic cobalt complex nanocomposites as counter electrodes for Pt-free dye-sensitized solar cells. Applied Surface Science, 2018, 434, 412-422.	6.1	32
11	Preparation of reduced graphene oxide/macrocyclic manganese complex composite materials as counter electrodes in dye-sensitized solar cells. Organic Electronics, 2018, 52, 51-60.	2.6	25
12	Enhanced Corrosion Protection of Iron by Poly(3-hexylthiophene)/Poly(styrene-co-hydroxystyrene) Blends. Coatings, 2018, 8, 383.	2.6	5
13	Reduced graphene oxide/macrocyclic iron complex hybrid materials as counter electrodes for dye-sensitized solar cells. Journal of Colloid and Interface Science, 2017, 495, 111-121.	9.4	31
14	Covalent bondâ€“grafted soluble poly(o-methoxyaniline)-graphene oxide composite materials fabricated as counter electrodes of dye-sensitised solar cells. Organic Electronics, 2017, 42, 209-220.	2.6	20
15	Poly(o-methoxyaniline) doped with an organic acid as cost-efficient counter electrodes for dye-sensitized solar cells. Electrochimica Acta, 2016, 213, 791-801.	5.2	24
16	High-efficiency counter electrodes using graphene hybrid with a macrocyclic nickel complex for dye-sensitized solar cells. Organic Electronics, 2016, 31, 207-216.	2.6	26
17	High-performance polystyrene/graphene-based nanocomposites with excellent anti-corrosion properties. Polymer Chemistry, 2014, 5, 535-550.	3.9	384
18	Biocompatible electrospinning poly(vinyl alcohol) nanofibres embedded with graphene-based derivatives with enhanced conductivity, mechanical strength and thermal stability. RSC Advances, 2014, 4, 56373-56384.	3.6	26

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19	Non-catalytic and substrate-free method to titania-doped W18O49 nanorods: growth, characterizations, and electro-optical properties. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	5
20	Compatibility Enhancement of Polyimideâ€“Silica Hybrid Solâ€“Gel Materials Without Incorporation of Silane-Coupling Agent. Journal of Nanoscience and Nanotechnology, 2011, 11, 3454-3463.	0.9	0
21	Electrochemical corrosion protection studies of aniline-capped aniline trimer-based electroactive polyurethane coatings. Electrochimica Acta, 2011, 58, 614-620.	5.2	44
22	Effect of methyl substituents on the N-diaryl rings of anthracene-9,10-diamine derivatives for OLEDs applications. Organic Electronics, 2011, 12, 694-702.	2.6	30
23	Preparation and anticorrosive properties of hybrid coatings based on epoxyâ€silica hybrid materials. Journal of Applied Polymer Science, 2009, 112, 1933-1942.	2.6	32
24	Electrochemical studies for the electroactivity of amine-capped aniline trimer on the anticorrosion effect of as-prepared polyimide coatings. European Polymer Journal, 2009, 45, 485-493.	5.4	72
25	Comparative Electrochemical Studies at Different Operational Temperatures for the Effect of Nanoclay Platelets on the Anticorrosion Efficiency of Organo-Soluble Polyimide/Clay Nanocomposite Coatings. Journal of Nanoscience and Nanotechnology, 2009, 9, 3125-3133.	0.9	5
26	Effect of clay on the corrosion protection efficiency of PMMA/Na+-MMT clay nanocomposite coatings evaluated by electrochemical measurements. European Polymer Journal, 2008, 44, 13-23.	5.4	60
27	Effect of Amino-Modified Silica Nanoparticles on the Corrosion Protection Properties of Epoxy Resin-Silica Hybrid Materials. Journal of Nanoscience and Nanotechnology, 2008, 8, 3040-3049.	0.9	34
28	Siloxane-modified epoxy resinâ€“clay nanocomposite coatings with advanced anticorrosive properties prepared by a solution dispersion approach. Surface and Coatings Technology, 2006, 200, 2753-2763.	4.8	188
29	Durable electrochromic coatings prepared from electronically conductive poly(3HT-co-3TPP)-silica hybrid materials. Journal of Electronic Materials, 2006, 35, 1571-1580.	2.2	17
30	Effect of organoclay on the thermal stability, mechanical strength, and surface wettability of injection-molded ABS-clay nanocomposite materials prepared by melt intercalation. Journal of Applied Polymer Science, 2006, 99, 1576-1582.	2.6	50
31	Poly(N-vinylcarbazole)-clay nanocomposite materials prepared by photoinitiated polymerization with triarylsulfonium salt initiator. Journal of Applied Polymer Science, 2004, 91, 1904-1912.	2.6	16
32	Enhanced corrosion prevention effect of polysulfone-clay nanocomposite materials prepared by solution dispersion. Journal of Applied Polymer Science, 2004, 92, 631-637.	2.6	51
33	Effective enhancement of anticorrosive properties of polystyrene by polystyrene-clay nanocomposite materials. Journal of Applied Polymer Science, 2004, 92, 1970-1976.	2.6	58
34	Preparation and properties of (BATB-ODPA) polyimide-clay nanocomposite materials. Journal of Applied Polymer Science, 2004, 92, 1072-1079.	2.6	43
35	Preparation and properties of heterocyclically conjugated poly(3-hexylthiophene)-clay nanocomposite materials. Journal of Applied Polymer Science, 2004, 91, 3438-3446.	2.6	43
36	Preparation and properties of polyimide-clay nanocomposite materials for anticorrosion application. Journal of Applied Polymer Science, 2004, 92, 3573-3582.	2.6	78

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37	Thermal and optical properties of PMMA-titania hybrid materials prepared by sol-gel approach with HEMA as coupling agent. Journal of Applied Polymer Science, 2004, 94, 400-405.	2.6	51
38	Comparative studies of the properties of poly(methyl methacrylate)-clay nanocomposite materials prepared byin situ emulsion polymerization and solution dispersion. Journal of Applied Polymer Science, 2004, 94, 1936-1946.	2.6	102
39	Organo-soluble polyimide (TBAPPâ€“OPDA)/clay nanocomposite materials with advanced anticorrosive properties prepared from solution dispersion technique. Acta Materialia, 2004, 52, 475-486.	7.9	98
40	19.2: Spray-Coating Process for Preparing CNT-FED Cathode. Digest of Technical Papers SID International Symposium, 2004, 35, 825.	0.3	0
41	Preparation and properties of poly(vinyl alcohol)â€“clay nanocomposite materials. Polymer, 2003, 44, 3553-3560.	3.8	288
42	Syntheses of Ruthenium(II) Quinonediimine Complexes of Cyclam and Characterization of Their DNA-Binding Activities and Cytotoxicity. Inorganic Chemistry, 2002, 41, 3161-3171.	4.0	104
43	Chemical Transformations of (2,3,9,10-Tetramethyl-1,4,5,7,8,11,12,14-Octa-Azacyclotetradeca-1,3,8,10-Tetraenato)Cobalt(II)Perchlorate. Journal of the Chinese Chemical Society, 1996, 43, 261-276.	1.4	5