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	High-performance polystyrene/graphene-based nanocomposites with excellent anti-corrosion properties. Polymer Chemistry, 2014, 5, 535-550.	3.9	384
2	Preparation and properties of poly(vinyl alcohol)â€“clay nanocomposite materials. Polymer, 2003, 44, 3553-3560.	3.8	288
3	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
4	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
5	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
6	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
7	Preparation and properties of polyimide-clay nanocomposite materials for anticorrosion application. Journal of Applied Polymer Science, 2004, 92, 3573-3582.	2.6	78
8	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
9	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
10	Effective enhancement of anticorrosive properties of polystyrene by polystyrene-clay nanocomposite materials. Journal of Applied Polymer Science, 2004, 92, 1970-1976.	2.6	58
11	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
12	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
13	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
14	Electrochemical corrosion protection studies of aniline-capped aniline trimer-based electroactive polyurethane coatings. Electrochimica Acta, 2011, 58, 614-620.	5.2	44
15	Preparation and properties of (BATB-ODPA) polyimide-clay nanocomposite materials. Journal of Applied Polymer Science, 2004, 92, 1072-1079.	2.6	43
16	Preparation and properties of heterocyclically conjugated poly(3-hexylthiophene)-clay nanocomposite materials. Journal of Applied Polymer Science, 2004, 91, 3438-3446.	2.6	43
17	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
18	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

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19	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
20	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
21	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
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	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	Flexible epoxy graphene thermoset with excellent weather and corrosion resistance. Progress in Organic Coatings, 2021, 151, 106052.	3.9	7
35	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
36	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

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37	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
38	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
39	Enhanced Corrosion Protection of Iron by Poly(3-hexylthiophene)/Poly(styrene-co-hydroxystyrene) Blends. Coatings, 2018, 8, 383.	2.6	5
40	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
41	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
42	19.2: Spray-Coating Process for Preparing CNT-FED Cathode. Digest of Technical Papers SID International Symposium, 2004, 35, 825.	0.3	0
43	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