## saied saeed Hosseiny davarani

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6850079/publications.pdf

Version: 2024-02-01

81743 138251 4,020 111 39 58 citations h-index g-index papers 111 111 111 2863 docs citations citing authors all docs times ranked

#	Article	IF	Citations
1	Construction of complex copper-cobalt selenide hollow structures as an attractive battery-type electrode material for hybrid supercapacitors. Chemical Engineering Journal, 2020, 402, 126241.	6.6	184
2	Designing an asymmetric device based on graphene wrapped yolk–double shell NiGa <sub>2</sub> S <sub>4</sub> hollow microspheres and graphene wrapped FeS <sub>2</sub> –FeSe <sub>2</sub> core–shell cratered spheres with outstanding energy density. Journal of Materials Chemistry A, 2019, 7, 10282-10292.	5.2	141
3	Formation of graphene-wrapped multi-shelled NiGa <sub>2</sub> O <sub>4</sub> hollow spheres and graphene-wrapped yolkâ€"shell NiFe <sub>2</sub> O <sub>4</sub> hollow spheres derived from metalâ€"organic frameworks for high-performance hybrid supercapacitors. Nanoscale, 2020, 12, 1643-1656.	2.8	124
4	Boosting the energy density of supercapacitors by encapsulating a multi-shelled zinc–cobalt-selenide hollow nanosphere cathode and a yolk–double shell cobalt–iron-selenide hollow nanosphere anode in a graphene network. Nanoscale, 2020, 12, 12476-12489.	2.8	119
5	A high-energy-density supercapacitor with multi-shelled nickel–manganese selenide hollow spheres as cathode and double-shell nickel–iron selenide hollow spheres as anode electrodes. Nanoscale, 2021, 13, 2931-2945.	2.8	93
6	High-Performance Energy Storage Device Based on Triple-Shelled Cobalt Gallium Oxide Hollow Spheres and Graphene Wrapped Copper Iron Disulfide Porous Spheres. ACS Sustainable Chemistry and Engineering, 2019, 7, 7908-7917.	3.2	88
7	Speciation of chromium in environmental samples by dual electromembrane extraction system followed by high performance liquid chromatography. Analytica Chimica Acta, 2013, 789, 58-64.	2.6	85
8	$\hat{l}_{\pm}$ -MnS@Co3S4 hollow nanospheres assembled from nanosheets for hybrid supercapacitors. Chemical Engineering Journal, 2021, 422, 129953.	6.6	85
9	Enhanced the energy density of supercapacitors via rose-like nanoporous ZnGa2S4 hollow spheres cathode and yolk-shell FeP hollow spheres anode. Journal of Power Sources, 2020, 450, 227691.	4.0	81
10	Solid-phase microextraction of phthalate esters from aqueous media by electrophoretically deposited TiO2 nanoparticles on a stainless steel fiber. Journal of Chromatography A, 2013, 1283, 1-8.	1.8	79
11	A flexible mechanochemical route for the synthesis of copper oxide nanorods/nanoparticles/nanowires for supercapacitor applications: The effect of morphology on the charge storage ability. Journal of Alloys and Compounds, 2017, 695, 114-123.	2.8	75
12	Designing graphene-wrapped NiCo <sub>2</sub> Se <sub>4</sub> microspheres with petal-like FeS <sub>2</sub> toward flexible asymmetric all-solid-state supercapacitors. Dalton Transactions, 2019, 48, 4274-4282.	1.6	73
13	Engineering of hierarchical NiCoSe <sub>2</sub> @NiMn-LDH core-shell nanostructures as a high-performance positive electrode material for hybrid supercapacitors. Sustainable Energy and Fuels, 2020, 4, 5144-5155.	2.5	72
14	A non-enzymatic nanomagnetic electro-immunosensor for determination of Aflatoxin B1 as a model antigen. Sensors and Actuators B: Chemical, 2013, 177, 1122-1127.	4.0	69
15	Cathodic electrosynthesis of ZnMn 2 O 4 /Mn 3 O 4 composite nanostructures for high performance supercapacitor applications. Journal of Alloys and Compounds, 2017, 720, 408-416.	2.8	69
16	Synthesis of NiGa2S4-rGO on nickel foam as advanced electrode for flexible solid-state supercapacitor with superior energy density. Journal of Colloid and Interface Science, 2019, 535, 195-204.	5.0	67
17	Mercapto-ordered carbohydrate-derived porous carbon electrode as a novel electrochemical sensor for simple and sensitive ultra-trace detection of omeprazole in biological samples. Materials Science and Engineering C, 2015, 48, 213-219.	3.8	66
18	Analysis of anatoxin-a using polyaniline as a sorbent in solid-phase microextraction coupled to gas chromatography–mass spectrometry. Journal of Chromatography A, 2005, 1078, 120-127.	1.8	64

#	Article	IF	Citations
19	Fabrication of hollow MnFe2O4 nanocubes assembled by CoS2 nanosheets for hybrid supercapacitors. Chemical Engineering Journal, 2022, 435, 135170.	6.6	64
20	Flexible asymmetric supercapacitors based on CuO@MnO2-rGO and MoS2-rGO with ultrahigh energy density. Journal of Electroanalytical Chemistry, 2018, 827, 221-229.	1.9	62
21	A selective electromembrane extraction of uranium (VI) prior to its fluorometric determination in water. Analytica Chimica Acta, 2013, 783, 74-79.	2.6	61
22	An advanced hybrid supercapacitor constructed from rugby-ball-like NiCo <sub>2</sub> Se <sub>4</sub> yolk–shell nanostructures. Materials Chemistry Frontiers, 2021, 5, 4725-4738.	3.2	60
23	Electro membrane extraction of sodium diclofenac as an acidic compound from wastewater, urine, bovine milk, and plasma samples and quantification by high-performance liquid chromatography. Analytica Chimica Acta, 2012, 722, 55-62.	2.6	59
24	Comparison of direct, headspace and headspace cold fiber modes in solid phase microextraction of polycyclic aromatic hydrocarbons by a new coating based on poly(3,4-ethylenedioxythiophene)/graphene oxide composite. Journal of Chromatography A, 2014, 1325, 23-30.	1.8	59
25	Electromembrane extraction combined with gas chromatography for quantification of tricyclic antidepressants in human body fluids. Analytica Chimica Acta, 2012, 725, 51-56.	2.6	58
26	A rational design of nanoporous Cu–Co–Ni–P nanotube arrays and CoFe <sub>2</sub> Se <sub>4</sub> nanosheet arrays for flexible solid-state asymmetric devices. Dalton Transactions, 2020, 49, 10028-10041.	1.6	58
27	Electrochemical Oxidation of 2,3-Dimethylhydroquinone in the Presence of 1,3-Dicarbonyl Compounds. Journal of Organic Chemistry, 2006, 71, 2139-2142.	1.7	56
28	Surfactant assisted pulsed two-phase electromembrane extraction followed by GC analysis for quantification of basic drugs in biological samples. Journal of Pharmaceutical and Biomedical Analysis, 2016, 117, 485-491.	1.4	54
29	Ultra-high energy density supercapacitors based on metal–organic framework derived yolk–shell Cu–Co–P hollow nanospheres and CuFeS <sub>2</sub> nanosheet arrays. Dalton Transactions, 2020, 49, 3353-3364.	1.6	54
30	A new platform for sensing urinary morphine based on carrier assisted electromembrane extraction followed by adsorptive stripping voltammetric detection on screen-printed electrode. Biosensors and Bioelectronics, 2014, 54, 189-194.	5 <b>.</b> 3	53
31	All-solid-state, flexible, ultrahigh performance supercapacitors based on the Ni-Al LDH-rGO electrodes. Journal of Alloys and Compounds, 2018, 750, 515-522.	2.8	53
32	Fabrication of dye-sensitized solar cells based on SnO2/ZnO composite nanostructures: A new facile method using dual anodic dissolution. Journal of Alloys and Compounds, 2019, 784, 1036-1046.	2.8	51
33	MnCoP hollow nanocubes as novel electrode material for asymmetric supercapacitors. Chemical Engineering Journal, 2021, 420, 129910.	6.6	50
34	Designing a flexible all-solid-state supercapacitor based on CuGa2O4 and FeP-rGO electrodes. Journal of Alloys and Compounds, 2019, 773, 527-536.	2.8	49
35	An efficient hybrid supercapacitor based on Zn–Mn–Ni–S@NiSe core–shell architectures. Sustainable Energy and Fuels, 2021, 5, 900-913.	2.5	49
36	Twoâ€phase electromembrane extraction followed by gas chromatographyâ€mass spectrometry analysis. Journal of Separation Science, 2013, 36, 736-743.	1.3	47

#	Article	IF	Citations
37	Application of a new fiber coating based on electrochemically reduced graphene oxide for the cold-fiber headspace solid-phase microextraction of tricyclic antidepressants. Journal of Separation Science, 2014, 37, 1162-1169.	1.3	44
38	Construction of hierarchical nanoporous CuCo2V2O8 hollow spheres as a novel electrode material for high-performance asymmetric supercapacitors. Applied Surface Science, 2020, 527, 146855.	3.1	44
39	Metal–organic-framework derived hollow manganese nickel selenide spheres confined with nanosheets on nickel foam for hybrid supercapacitors. Dalton Transactions, 2021, 50, 8372-8384.	1.6	42
40	Selective and sensitive speciation analysis of Cr(VI) and Cr(III), at sub-νg Lâ~1 levels in water samples by electrothermal atomic absorption spectrometry after electromembrane extraction. Talanta, 2016, 161, 640-646.	2.9	39
41	Zn–Ni–Se@NiCo <sub>2</sub> S <sub>4</sub> Core–Shell Architectures: A Highly Efficient Positive Electrode for Hybrid Supercapacitors. Energy & Electrode for Hybrid Supercapacitors. Electrode for Hybrid Supercapacitors. Energy & Electrode for Hybrid Supercapacitors. Electrode	2.5	39
42	Electromembrane extraction of heavy metal cations from aqueous media based on flat membrane: method transfer from hollow fiber to flat membrane. Analytical Methods, 2015, 7, 2680-2686.	1.3	38
43	Study of interactions between DNA and aflatoxin B1 using electrochemical and fluorescence methods. Analytical Biochemistry, 2011, 411, 218-222.	1.1	36
44	A yolk shell Fe3O4 @PA-Ni@Pd/Chitosan nanocomposite -modified carbon ionic liquid electrode as a new sensor for the sensitive determination of fluconazole in pharmaceutical preparations and biological fluids. Journal of Molecular Liquids, 2018, 253, 233-240.	2.3	36
45	An efficient approach to selective electromembrane extraction of naproxen by means of molecularly imprinted polymer-coated multi-walled carbon nanotubes-reinforced hollow fibers. Journal of Chromatography A, 2016, 1470, 19-26.	1.8	34
46	A one step electrospinning process for the preparation of polyaniline modified TiO2/polyacrylonitile nanocomposite with enhanced photocatalytic activity. Journal of Alloys and Compounds, 2017, 695, 1073-1079.	2.8	34
47	Hierarchical MnCo2S4 nanowires/NiFeLDH nanosheets/graphene: A promising binder-free positive electrode for high-performance supercapacitors. Electrochimica Acta, 2020, 338, 135891.	2.6	34
48	Electronic simulation of the supported liquid membrane in electromembrane extraction systems: Improvement of the extraction by precise periodical reversing of the field polarity. Analytica Chimica Acta, 2014, 841, 24-32.	2.6	31
49	Ultrahigh energy density supercapacitors based on facile synthesized Ni,CoOH-rGO/NF hybrid electrodes. Journal of Alloys and Compounds, 2018, 769, 922-931.	2.8	30
50	Electromembrane extraction of zwitterionic compounds as acid or base: Comparison of extraction behavior at acidic and basic pHs. Analytica Chimica Acta, 2012, 745, 45-52.	2.6	29
51	Mechanistic study of electrochemical oxidation of o-dihydroxybenzenes in the presence of 4-hydroxy-1-methyl-2(1H)-quinolone. Electrochimica Acta, 2005, 51, 739-744.	2.6	28
52	Sonoelectrochemical synthesis of a new nano lead(II) complex with quinoline-2-carboxylic acid ligand: A precursor to produce pure phase nano-sized lead(II) oxide. Ultrasonics Sonochemistry, 2015, 22, 382-390.	3.8	28
53	Highly efficient electrochemical determination of propylthiouracil in urine samples after selective electromembrane extraction by copper nanoparticles-decorated hollow fibers. Biosensors and Bioelectronics, 2018, 114, 66-71.	5.3	27
54	Ultra-trace determination of Cr (VI) ions in real water samples after electromembrane extraction through novel nanostructured polyaniline reinforced hollow fibers followed by electrothermal atomic absorption spectrometry. Microchemical Journal, 2018, 143, 212-219.	2.3	26

#	Article	IF	CITATIONS
55	Rational Construction of Coreâ€Shell Niâ^'Mnâ^'Coâ^'S@Co(OH) <sub>2</sub> Nanoarrays toward Highâ€Performance Hybrid Supercapacitors. ChemElectroChem, 2020, 7, 2816-2825.	1.7	26
56	Gel-electromembrane extraction of peptides: Determination of five hypothalamic agents in human plasma samples. Talanta, 2020, 217, 121025.	2.9	26
57	Determination of N-nitrosodiethanolamine in cosmetic products by headspace solid phase microextraction using a novel aluminum hydroxide grafted fused silica fiber followed by gas chromatography–mass spectrometry analysis. Talanta, 2013, 105, 347-353.	2.9	25
58	Preparation and evaluation of a novel solid-phase microextraction fiber based on poly(3,4-ethylenedioxythiophene) for the analysis of OCPs in water. Analytical Methods, 2011, 3, 2061.	1.3	24
59	Synthesis of SnO \$\$_2\$\$ 2 nanoparticles by electrooxidation of tin in quaternary ammonium salt for application in dye-sensitized solar cells. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	22
60	Fabrication of cobalt gallium oxide with zinc iron oxide on nickel foam for a high-performance asymmetric supercapacitor. New Journal of Chemistry, 2019, 43, 4590-4598.	1.4	22
61	A high-performance hybrid supercapacitor by encapsulating binder-less FeCoSe <sub>2</sub> nanosheets@NiCoSe <sub>2</sub> nanoflowers in a graphene network. Sustainable Energy and Fuels, 2022, 6, 3626-3642.	2.5	22
62	Highly selective solid phase extraction and preconcentration of Azathioprine with nano-sized imprinted polymer based on multivariate optimization and its trace determination in biological and pharmaceutical samples. Materials Science and Engineering C, 2017, 71, 572-583.	3.8	21
63	Designing an Advanced Supercapattery Based on CuCo <sub>2</sub> S <sub>4</sub> @Niâ^'Moâ^'S Nanosheet Arrays. ChemElectroChem, 2019, 6, 5984-5992.	1.7	21
64	A facile electrochemical method for the synthesis of phenazine derivatives via an ECECC pathway. Tetrahedron Letters, 2008, 49, 5622-5624.	0.7	20
65	Synthesis of SnO2 Nanoparticles by Electrooxidation Method and Their Application in Dye-Sensitized Solar Cells: The Influence of the Counterion. Journal of Electronic Materials, 2019, 48, 445-453.	1.0	20
66	Facile synthesis of Fe-doped CoP nanosheet arrays wrapped by graphene for overall water splitting. Dalton Transactions, 2021, 50, 12168-12178.	1.6	20
67	Application of Self-Assembled Monolayers in the Preparation of Solid-Phase Microextraction Coatings. Chromatographia, 2011, 74, 421-427.	0.7	19
68	Formation of graphene encapsulated cobalt–iron phosphide nanoneedles as an attractive electrocatalyst for overall water splitting. Catalysis Science and Technology, 2021, 11, 1814-1826.	2.1	19
69	The effect of electric field geometry on the performance of electromembrane extraction systems: Footprints of a third driving force along with migration and diffusion. Analytica Chimica Acta, 2015, 891, 151-159.	2.6	18
70	Evaluation of charge storage ability of chrome doped Mn2O3 nanostructures derived by cathodic electrodeposition. Progress in Natural Science: Materials International, 2016, 26, 523-527.	1.8	17
71	A new facile electrochemical method for the synthesis of 4-(pyridine-2-ylthio)benzene-l,2-diols. Electrochimica Acta, 2006, 51, 3327-3331.	2.6	16
72	Electrochemical synthesis of 6-amino-5-(3,4-dihydroxyphenyl) pyrimidine. Tetrahedron Letters, 2008, 49, 710-714.	0.7	16

#	Article	IF	Citations
73	Electro-assisted solid-phase microextraction based on poly(3,4-ethylenedioxythiophen) combined with GC for the quantification of tricyclic antidepressants. Journal of Separation Science, 2013, 36, 2315-2322.	1.3	16
74	Synthesis of manganese dioxide nanosheets and charge storage evaluation. Materials Science in Semiconductor Processing, 2015, 30, 682-687.	1.9	16
<b>7</b> 5	Cobalt-molybdenum selenide double-shelled hollow nanocages derived from metal-organic frameworks as high performance electrodes for hybrid supercapacitor. Journal of Colloid and Interface Science, 2022, 616, 141-151.	5.0	16
76	A facile electrochemical method for the synthesis of 5â€phenylâ€1,3,4â€oxadiazolâ€2â€ylthioâ€benzeneâ€1,2â€ derivatives. Journal of Heterocyclic Chemistry, 2009, 46, 443-446.	Ediol 1.4	15
77	Sonoelectrochemical synthesis of a nanoscale complex of lead(II) and 2-methyl-8-hydroxyquinoline: spectroscopic, photoluminescence, thermal analysis studies and its application in an OLED. Journal of Materials Science, 2014, 49, 441-449.	1.7	15
78	Highly selective determination of amitriptyline using Nafion-AuNPs@branched polyethyleneimine-derived carbon hollow spheres in pharmaceutical drugs and biological fluids. Biosensors and Bioelectronics, 2016, 86, 616-622.	<b>5.</b> 3	15
79	Direct synthesis of nitrogen-doped graphene on platinum wire as a new fiber coating method for the solid-phase microextraction of BXes in water samples: Comparison of headspace and cold-fiber headspace modes. Analytica Chimica Acta, 2016, 935, 151-160.	2.6	15
80	A Non-Enzymatic Biosensor Based on Pd Decorated Reduced Graphene Oxide Poly (2-anilinoethanol) Nanocomposite and Its Application for the Determination of Dopamine. Journal of the Electrochemical Society, 2018, 165, B150-B159.	1.3	15
81	Cathodic electrosynthesis of CuFe2O4/CuO composite nanostructures for high performance supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 12573-12583.	1.1	15
82	Oneâ€Step Synthesis of Porous Niâ^'Coâ^'Feâ^'S Nanosheet Arrays as an Efficient Batteryâ€Type Electrode Material for Hybrid Supercapacitors. Batteries and Supercaps, 2020, 3, 1311-1320.	2.4	15
83	An Improved Electrochemical Method for the Synthesis of Some Benzofuran Derivatives. Chemical and Pharmaceutical Bulletin, 2006, 54, 959-962.	0.6	14
84	Electromembrane extraction through a virtually rotating supported liquid membrane. Electrophoresis, 2016, 37, 339-346.	1.3	14
85	Quantification of controlled release leuprolide and triptorelin in rabbit plasma using electromembrane extraction coupled with HPLC–UV. Electrophoresis, 2019, 40, 1074-1081.	1.3	14
86	Electrochemical synthesis of new benzodifurans. Electrochemistry Communications, 2008, 10, 1765-1768.	2.3	13
87	Solvent selection in ultrasonic-assisted emulsification microextraction: Comparison between high-and low-density solvents by means of novel type of extraction vessel. Analytica Chimica Acta, 2014, 838, 51-57.	2.6	13
88	A Green Approach for the Electroorganic Synthesis of New Dihydroxyphenyl-indolin-2-one Derivatives. ACS Sustainable Chemistry and Engineering, 2014, 2, 579-583.	3.2	13
89	Determination of ternary mixtures of penicillin G, benzathine and procaine by liquid chromatography and factorial design study. Talanta, 2005, 65, 1038-1044.	2.9	12
90	Electro-Organic Synthesis of 2-Amino-3-cyano-benzofuran Derivatives Using Hydroquinones and Malononitrile. Synthetic Communications, 2011, 41, 561-568.	1.1	12

#	Article	IF	CITATIONS
91	Effect of type of stirring on hollow fiber liquid phase microextraction and electromembrane extraction of basic drugs: speed up extraction time and enhancement of extraction efficiency. RSC Advances, 2016, 6, 110221-110228.	1.7	12
92	A new facile electrochemical method for functionalization of porphyrin. Journal of Porphyrins and Phthalocyanines, 2008, 12, 85-93.	0.4	11
93	Developing a miniaturized setup for inâ€tube simultaneous determination of three alkaloids using electromembrane extraction in combination with ultraviolet spectrophotometry. Journal of Separation Science, 2019, 42, 3126-3133.	1.3	11
94	A New Aluminium Hydroxide Coating on Fused Silica Fiber for the Determination of 1,4-Dioxane in Surfactants and Detergents Using HS-SPME-GC. Chromatographia, 2012, 75, 371-377.	0.7	10
95	Iron mediated cathodic electrosynthesis of hausmannite nanoparticles. Materials Science in Semiconductor Processing, 2015, 38, 240-248.	1.9	10
96	Impedometric monitoring of the behavior of the supported liquid membrane in electromembrane extraction systems: An insight into the origin of optimized experimental parameters. Analytica Chimica Acta, 2016, 934, 98-105.	2.6	9
97	Electromembrane Extraction Using a Round-Headed Platinum Wire as the Inner Electrode: A Simple and Practical Way to Enhance the Performance of Extraction. Chromatographia, 2018, 81, 1023-1033.	0.7	9
98	Novel Rugby-Ball-like FeCoCuS <sub>2</sub> Triple-Shelled Hollow Nanostructures with Enhanced Performance for Supercapattery. Energy & Samp; Fuels, 2021, 35, 15108-15117.	2.5	9
99	Synthesis and characterization of a new tin(IV) complex for fabrication of an organic light-emitting diode (OLED) and photoluminescence properties of the tin oxide core. Journal of Coordination Chemistry, 2013, 66, 2712-2725.	0.8	8
100	Hierarchical FeCo2S4 nanosheet arrays for high-performance asymmetric supercapacitors. Journal of Materials Science: Materials in Electronics, 2020, 31, 19003-19012.	1.1	8
101	Electrochemical oxidation of catechols in the presence of ethylâ $\in$ 2â $\in$ chloroacetoacetate. Synthesis and mechanistic study. Journal of Heterocyclic Chemistry, 2006, 43, 1673-1677.	1.4	7
102	An Environmentally Friendly Electrochemical Method for Synthesis of Benzofuranoquinone Derivatives. Chemical and Pharmaceutical Bulletin, 2007, 55, 1198-1202.	0.6	7
103	Impedometric investigation of salt effects on electromembrane extraction: Practical hints for pH adjustment. Electrochimica Acta, 2019, 296, 355-363.	2.6	7
104	Selective photocatalytic epoxidation of cyclooctene by molecular oxygen in the presence of porphyrin sensitizers. Reaction Kinetics, Mechanisms and Catalysis, 2009, 99, 243.	0.8	4
105	Preparation and evaluation of a new solid-phase microextraction fiber based on polythionine for analysis of phthalate esters in aqueous samples. Journal of the Iranian Chemical Society, 2021, 18, 385-391.	1.2	4
106	A New Way for Synthesis of Phenoxazine and Diphenoxazine Derivatives via Electrochemical Method. Chemical and Pharmaceutical Bulletin, 2011, 59, 1209-1213.	0.6	3
107	Sonoelectrochemical Synthesis of Nano Zinc (II) Complexes with 9-Anthracenecarboxylic Acid: Effect of Current Density and Study of their Photophysical Properties. Journal of Fluorescence, 2016, 26, 2053-2061.	1.3	3
108	Cathodic electrodeposition of CdMn2O4 nanoplates and evaluation of the charge storage ability. Journal of Solid State Electrochemistry, 2020, 24, 1231-1238.	1,2	3

#	Article	IF	CITATIONS
109	Electroâ€organic synthesis of new pyrimidine and uracil derivatives. Journal of Heterocyclic Chemistry, 2010, 47, 40-45.	1.4	1
110	A new method for grafting functional groups onto mesoporous silica: an electrochemical approach. Journal of Applied Electrochemistry, 2013, 43, 735-748.	1.5	1
111	Electrochemical Synthesis of Cu (II) Coordination Polymer Coatings Based on 2,2′-Thiodiacetic Acid and 1,2,4,5-Benzenetetracarboxylate. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 376-383.	1.9	1