Nabel A Negm

List of Publications by Year
in descending order

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115 papers	4,562 citations	94381 37 h-index	123376 61 g-index
118 all docs	118 docs citations	118 times ranked	3553 citing authors

#	Article	IF	Citations
1	Advancement on modification of chitosan biopolymer and its potential applications. International Journal of Biological Macromolecules, 2020, 152, 681-702.	3.6	316
2	Gravimetric and electrochemical evaluation of environmentally friendly nonionic corrosion inhibitors for carbon steel in 1 M HCl. Corrosion Science, 2012, 65, 94-103.	3.0	188
3	Diatomite supported by CaO/MgO nanocomposite as heterogeneous catalyst for biodiesel production from waste cooking oil. Journal of Molecular Liquids, 2019, 279, 224-231.	2.3	177
4	Corrosion inhibition efficiency and surface activity of benzothiazol-3-ium cationic Schiff base derivatives in hydrochloric acid. Corrosion Science, 2010, 52, 3523-3536.	3.0	156
5	Metal adsorption by agricultural biosorbents: Adsorption isotherm, kinetic and biosorbents chemical structures. International Journal of Biological Macromolecules, 2015, 81, 400-409.	3.6	133
6	Novel isoxazolium cationic Schiff base compounds as corrosion inhibitors for carbon steel in hydrochloric acid. Corrosion Science, 2011, 53, 3566-3575.	3.0	126
7	Adsorption of aluminum and lead from wastewater by chitosan-tannic acid modified biopolymers: Isotherms, kinetics, thermodynamics and process mechanism. International Journal of Biological Macromolecules, 2017, 99, 465-476.	3.6	126
8	New eco-friendly cationic surfactants: Synthesis, characterization and applicability as corrosion inhibitors for carbon steel in 1N HCl. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 391, 224-233.	2.3	100
9	Effectiveness of some diquaternary ammonium surfactants as corrosion inhibitors for carbon steel in 0.5M HCl solution. Corrosion Science, 2010, 52, 2122-2132.	3.0	97
10	Corrosion inhibition efficiency of nonionic Schiff base amphiphiles of p-aminobenzoic acid for aluminum in 4N HCL. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 322, 97-102.	2.3	93
11	Nanocomposite framework of chitosan/polyvinyl alcohol/ZnO: Preparation, characterization, swelling and antimicrobial evaluation. Journal of Molecular Liquids, 2018, 250, 335-343.	2.3	84
12	Biodiesel production from one-step heterogeneous catalyzed process of Castor oil and Jatropha oil using novel sulphonated phenyl silane montmorillonite catalyst. Journal of Molecular Liquids, 2017, 234, 157-163.	2.3	81
13	Electrochemical and quantum chemical evaluation of new bis(coumarins) derivatives as corrosion inhibitors for carbon steel corrosion in 0.5 M H 2 SO 4. Journal of Molecular Liquids, 2018, 255, 341-353.	2.3	81
14	Pyrazole, pyrazolone and enaminonitrile pyrazole derivatives: Synthesis, characterization and potential in corrosion inhibition and antimicrobial applications. Journal of Molecular Liquids, 2018, 252, 329-338.	2.3	81
15	Synthesis and Characterization of Multifunctional Surfactants in Oil-Field Protection Applications. Journal of Surfactants and Detergents, 2007, 10, 87-92.	1.0	72
16	Feasibility of metal adsorption using brown algae and fungi: Effect of biosorbents structure on adsorption isotherm and kinetics. Journal of Molecular Liquids, 2018, 264, 292-305.	2.3	72
17	Surface and thermodynamic properties of diquaternary bola-form amphiphiles containing an aromatic spacer. Journal of Surfactants and Detergents, 2004, 7, 23-30.	1.0	71
18	Treatment of industrial wastewater containing copper and cobalt ions using modified chitosan. Journal of Industrial and Engineering Chemistry, 2015, 21, 526-534.	2.9	65

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19	Synthesis, Characterization and Biological Activity of Sugarâ€Based Gemini Cationic Amphiphiles. Journal of Surfactants and Detergents, 2008, 11, 215-221.	1.0	63
20	Synthesis, surface and thermodynamic parameters of some biodegradable nonionic surfactants derived from tannic acid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 393, 96-104.	2.3	58
21	Clean transesterification process for biodiesel production using heterogeneous polymer-heteropoly acid nanocatalyst. Journal of Cleaner Production, 2019, 238, 117854.	4.6	54
22	Characterization, surface properties and biological activity of some synthesized anionic surfactants. Journal of Industrial and Engineering Chemistry, 2014, 20, 4463-4472.	2.9	53
23	Synthesis, Surface, Thermodynamic Properties of Some Biodegradable Vanillinâ€Modified Polyoxyethylene Surfactants. Journal of Surfactants and Detergents, 2012, 15, 735-743.	1.0	52
24	Synthesis of some quaternary ammonium gemini surfactants and evaluation of their performance as corrosion inhibitors for carbon steel in oil well formation water containing sulfide ions. RSC Advances, 2015, 5, 104480-104492.	1.7	52
25	Cationic schiff base amphiphiles and their metal complexes: Surface and biocidal activities against bacteria and fungi. Colloids and Surfaces B: Biointerfaces, 2010, 77, 96-103.	2.5	51
26	Feasibility of modified bentonite as acidic heterogeneous catalyst in low temperature catalytic cracking process of biofuel production from nonedible vegetable oils. Journal of Molecular Liquids, 2018, 254, 260-266.	2.3	51
27	Environmentally Friendly Nonionic Surfactants Derived from Tannic Acid: Synthesis, Characterization and Surface Activity. Journal of Surfactants and Detergents, 2012, 15, 433-443.	1.0	49
28	Heterogeneous catalytic transformation of vegetable oils into biodiesel in one-step reaction using super acidic sulfonated modified mica catalyst. Journal of Molecular Liquids, 2017, 237, 38-45.	2.3	48
29	Synthesis, Characterization, Biodegradation and Evaluation of the Surface Active Properties of Nonionic Surfactants Derived from Jatropha Oil. Journal of Surfactants and Detergents, 2013, 16, 857-863.	1.0	46
30	Structural and biological behaviors of some nonionic Schiff-base amphiphiles and their Cu(II) and Fe(III) metal complexes. Colloids and Surfaces B: Biointerfaces, 2008, 64, 179-183.	2.5	45
31	Screening for Potential Antimicrobial Activities of Some Cationic Uracil Biocides Against Wideâ€Spreading Bacterial Strains. Journal of Surfactants and Detergents, 2010, 13, 503-511.	1.0	43
32	Biocidal and antiâ€corrosive activities of benzoimidazolâ€3â€ium cationic Schiff base surfactants. Engineering in Life Sciences, 2011, 11, 496-510.	2.0	43
33	High performance corrosion inhibition of novel tricationic surfactants on carbon steel in formation water: Electrochemical and computational evaluations. Journal of Molecular Liquids, 2018, 262, 363-375.	2.3	43
34	New Schiff Base Cationic Surfactants: Surface and Thermodynamic Properties and Applicability in Bacterial Growth and Metal Corrosion Prevention. Journal of Surfactants and Detergents, 2011, 14, 505-514.	1.0	41
35	Synthesis, characterization and evaluation of some anionic surfactants with phosphate group as a biodegradable corrosion inhibitor for carbon steel in acidic solution. Journal of Molecular Liquids, 2016, 215, 185-196.	2.3	41
36	Investigation the inhibitory action of novel diquaternary Schiff dibases on the acid dissolution of carbon steel in 1 M hydrochloric acid solution. Corrosion Science, 2012, 65, 77-86.	3.0	40

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37	New heterocyclic Schiff baseâ€metal complex: Synthesis, characterization, density functional theory study, and antimicrobial evaluation. Applied Organometallic Chemistry, 2021, 35, e6322.	1.7	40
38	Synthesis and Evaluation of 4â€Diethyl Amino Benzaldehyde Schiff Base Cationic Amphiphiles as Corrosion Inhibitors for Carbon Steel in Different Acidic Media. Journal of Surfactants and Detergents, 2009, 12, 321-329.	1.0	39
39	Electrochemical and quantum chemical studies on carbon steel corrosion protection in 1ÂM H 2 SO 4 using new eco-friendly Schiff base metal complexes. Journal of the Taiwan Institute of Chemical Engineers, 2016, 61, 316-326.	2.7	39
40	Corrosion inhibition of triethanolammonium bromide mono- and dibenzoate as cationic inhibitors in an acidic medium. Journal of Surfactants and Detergents, 2005, 8, 283-287.	1.0	38
41	Solubilization, Surface Active and Thermodynamic Parameters of Gemini Amphiphiles Bearing Nonionic Hydrophilic Spacers. Journal of Surfactants and Detergents, 2007, 10, 71-80.	1.0	38
42	Synthesis, characterization, swelling and antimicrobial efficacies of chemically modified chitosan biopolymer. Journal of Molecular Liquids, 2019, 284, 748-754.	2.3	37
43	Biocidal activity of some Mannich base cationic derivatives. Bioorganic and Medicinal Chemistry, 2005, 13, 5921-5926.	1.4	36
44	Inhibitory action of biodegradable modified vanillin on the corrosion of carbon steel in 1M HCl. Corrosion Science, 2011, 53, 4233-4240.	3.0	36
45	Synthesis, Characterization and Surface Activity of New Ecoâ€friendly Schiff Bases Vanillin Derived Cationic Surfactants. Journal of Surfactants and Detergents, 2011, 14, 325-331.	1.0	36
46	Synthesis, Characterization, Surface and Biological Activity of Diquaternary Cationic Surfactants Containing Ester Linkage. Journal of Surfactants and Detergents, 2016, 19, 119-128.	1.0	36
47	Synthesis, characterization and biocidal efficiency of quaternary ammonium polymers silver nanohybrids against sulfate reducing bacteria. Journal of Molecular Liquids, 2017, 230, 163-168.	2.3	35
48	Molecular interaction of heterogeneous catalyst in catalytic cracking process of vegetable oils: chromatographic and biofuel performance investigation. Applied Catalysis B: Environmental, 2018, 239, 36-45.	10.8	35
49	Synthesis, characterization and catalytic performances of activated carbon-doped transition metals during biofuel production from waste cooking oils. Journal of Molecular Liquids, 2020, 306, 112749.	2.3	34
50	Corrosion Inhibition of Carbon Steel in Hydrochloric Acid Solution Using Ethoxylated Nonionic Surfactants Based on Schiff Base: Electrochemical and Computational Investigations. ACS Omega, 2021, 6, 4300-4312.	1.6	33
51	Some Schiff Base Surfactants as Steel-Corrosion Inhibitors. Journal of Surfactants and Detergents, 2009, 12, 313-319.	1.0	32
52	Amide type nonionic surfactants: Synthesis and corrosion inhibition evaluation against carbon steel corrosion in acidic medium. Journal of Molecular Liquids, 2018, 256, 574-580.	2.3	32
53	Synthesis, characterization and biological activity of colloidal silver nanoparticles stabilized by gemini anionic surfactants. Journal of Industrial and Engineering Chemistry, 2015, 21, 1051-1057.	2.9	31
54	Transformation of Jatropha oil to biofuel using transition metal salts as heterogeneous catalysts. Journal of Molecular Liquids, 2018, 256, 16-21.	2.3	31

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55	Zinc aluminate nanoparticles: Preparation, characterization and application as efficient and economic catalyst in transformation of waste cooking oil into biodiesel. Journal of Molecular Liquids, 2020, 302, 112377.	2.3	31
56	Graphene oxide modified thiosemicarbazide nanocomposite as an effective eliminator for heavy metal ions. Journal of Molecular Liquids, 2021, 327, 114790.	2.3	30
57	Micellization and Interfacial Interaction Behaviors of Gemini Cationic Surfactantsâ€“CTAB Mixed Surfactant Systems. Journal of Surfactants and Detergents, 2013, 16, 723-731.	1.0	28
58	Synthesis and evaluation of silver nanoparticles loaded with Gemini surfactants: Surface and antimicrobial activity. Journal of Industrial and Engineering Chemistry, 2015, 24, 34-41.	2.9	27
59	Vanillin-derived non-ionic surfactants as green corrosion inhibitors for carbon steel in acidic environments. Research on Chemical Intermediates, 2016, 42, 3579-3607.	1.3	27
60	Effectuality of chitosan biopolymer and its derivatives during antioxidant applications. International Journal of Biological Macromolecules, 2020, 164, 1342-1369.	3.6	27
61	Pyrazole Derived Cationic Surfactants and their Tin and Copper Complexes: Synthesis, Surface Activity, Antibacterial and Antifungal Efficacy. Journal of Surfactants and Detergents, 2010, 13, 521-528.	1.0	26
62	Synthesis, Surface and Thermodynamic Properties of Substituted Polytriethanolamine Nonionic Surfactants. Journal of Surfactants and Detergents, 2013, 16, 333-342.	1.0	26
63	Potential of Mgâ€“Znâ€“Al layered double hydroxide (LDH)/montmorillonite nanocomposite in remediation of wastewater containing manganese ions. Research on Chemical Intermediates, 2018, 44, 389-405.	1.3	26
64	Assessment of 3-amino-1H-1,2,4-triazole modified layered double hydroxide in effective remediation of heavy metal ions from aqueous environment. Journal of Molecular Liquids, 2021, 341, 116935.	2.3	25
65	Interaction between cationic and conventional nonionic surfactants in the mixed micelle and monolayer formed in aqueous medium. Quimica Nova, 2011, 34, 1007-1013.	0.3	24
66	Synthesis and Characterization of Some Amino Acid Derived Schiff Bases Bearing Nonionic Species as Corrosion Inhibitors for Carbon Steel in 2N HCl. Journal of Dispersion Science and Technology, 2009, 30, 649-655.	1.3	22
67	Solubilization Behaviors of Nonpolar Substrates Using Double Tailed Cationic Surfactants. Journal of Dispersion Science and Technology, 2009, 30, 1167-1174.	1.3	22
68	Benzothiazol-3-ium Cationic Schiff Base Surfactants: Synthesis, Surface Activity and Antimicrobial Applications against Pathogenic and Sulfur Reducing Bacteria in Oil Fields. Journal of Dispersion Science and Technology, 2011, 32, 512-518.	1.3	22
69	Evaluation of some vanillin-modified polyoxyethylene surfactants as additives for water based mud. Egyptian Journal of Petroleum, 2014, 23, 7-14.	1.2	22
70	Fabrication of ionic liquid-cellulose-silica hydrogels with appropriate thermal stability and good salt tolerance as potential drilling fluid. Arabian Journal of Chemistry, 2020, 13, 6201-6220.	2.3	22
71	Evaluation of Some Nonionic Surfactants Derived From Vanillin as Corrosion Inhibitors for Carbon Steel During Drilling Processes. Journal of Surfactants and Detergents, 2015, 18, 413-420.	1.0	21
72	Performance of chitosan polymer as platform during sensors fabrication and sensing applications. International Journal of Biological Macromolecules, 2020, 165, 402-435.	3.6	21

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73	Preparation and characterization of polymeric dispersants based on vegetable oils for printing ink application. Progress in Organic Coatings, 2017, 111, 354-360.	1.9	20
74	Impact of Synthesized and Natural Compounds in Corrosion Inhibition of Carbon Steel and Aluminium in Acidic Media. Recent Patents on Corrosion Science, 2013, 3, 58-68.	0.1	19
75	Some Corrosion Inhibitors Based on Schiff Base Surfactants for Mild Steel Equipments. Journal of Dispersion Science and Technology, 2009, 30, 1142-1147.	1.3	18
76	Studies of Monolayer and Mixed Micelle Formation of Anionic and Nonionic Surfactants in the Presence of Adenosine-5-monophosphate. Journal of Solution Chemistry, 2012, 41, 335-350.	0.6	18
77	Polymerâ€Cationic Surfactant Interaction: 1. Surface and Physicochemical Properties of Polyvinyl Alcohol (PVA)â€Šâ€Alkyl Isothiouronium Bromide Surfactant Mixed Systems. Journal of Surfactants and Detergents, 2015, 18, 245-250.	1.0	18
78	Preparation and evaluation of biodiesel from Egyptian castor oil from semi-treated industrial wastewater. Journal of the Taiwan Institute of Chemical Engineers, 2016, 63, 151-156.	2.7	18
79	Catalytic manufacture and characteristic valuation of biodiesel-biojet achieved from Jatropha curcas and waste cooking oils over chemically modified montmorillonite clay. Journal of Molecular Liquids, 2021, 340, 117175.	2.3	18
80	Experimental evaluation of cationic-Schiff base surfactants based on 5-chloromethyl salicylaldehyde for improving crude oil recovery and bactericide. Journal of Molecular Liquids, 2020, 316, 113862.	2.3	18
81	Corrosion inhibition of some novel hydrazone derivatives. Journal of Surfactants and Detergents, 2005, 8, 95-98.	1.0	17
82	Environmentally Friendly Nonionic Surfactants Derived from Jatropha Oil Fatty Acids as Inhibitors for Carbon Steel Corrosion in Acidic Medium. Journal of Surfactants and Detergents, 2015, 18, 1011-1024.	1.0	17
83	Fluorescein dye derivatives and their nanohybrids: Synthesis, characterization and antimicrobial activity. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 421-433.	1.7	17
84	Antibacterial and Antifungal Activitiesâ€"Surface Active Properties Relation of Novel Dischiff Base Cationic Gemini Amphiphiles Bearing Homogeneous Hydrophobes. Journal of Dispersion Science and Technology, 2010, 31, 1390-1395.	1.3	16
85	Kinetics and thermodynamics of Mn(II) removal from aqueous solutions onto Mg-Zn-Al LDH/montmorillonite nanocomposite. Egyptian Journal of Petroleum, 2018, 27, 1215-1220.	1.2	16
86	Modification of heavy metal uptake efficiency by modified chitosan/anionic surfactant systems. Engineering in Life Sciences, 2010, 10, 218-224.	2.0	15
87	Antimicrobial potentials and surface activities of novel di-Schiff base nonionic surfactants bearing unsaturated hydrophobic tails. Journal of Molecular Liquids, 2019, 290, 110986.	2.3	15
88	Novel Biobased Nonionic Surfactants: Synthesis, Surface Activity and Corrosion Inhibition Efficiency Against Aluminum Alloy Dissolution in Acidic Media. Journal of Surfactants and Detergents, 2014, 17, 1203-1211.	1.0	14
89	Synthesis, characterization, computational study, and screening of novel 1-phenyl-4-(2-phenylacetyl)-thiosemicarbazide derivatives for their antioxidant and antimicrobial activities. Journal of Molecular Liquids, 2021, 333, 115977.	2.3	14
90	Antimicrobial and Cytotoxic Activities of Some Novel Heterocycles Bearing Pyrazole Moiety. Journal of Heterocyclic Chemistry, 2018, 55, 1615-1625.	1.4	13

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91	Synthesis and Surface Activity of Nonionic Surfactants Derived from Gallic Acid. Arabian Journal for Science and Engineering, 2016, 41, 67-73.	1.1	11
92	Evaluation of Some Nonionic Surfactants Derived from Tannic Acid as Additives for Waterâ€Based Mud. Journal of Surfactants and Detergents, 2015, 18, 309-319.	1.0	10
93	Synthesis and characterization of novel bis-(4-methylcoumarin) derivatives as photosensitizers in antimicrobial photodynamic therapy. Journal of the Taiwan Institute of Chemical Engineers, 2017, 77, 83-91.	2.7	10
94	Laser induced fluorescence, photo-physical parameters and photo-stability of new fluorescein derivatives. Journal of Molecular Liquids, 2017, 229, 31-44.	2.3	10
95	A facile synthetic approach and optical properties of AuNPs/CdSe tetrapod and AuNPs/CdSe@rGO nanocomposites. Journal of Molecular Liquids, 2019, 293, 111493.	2.3	10
96	Vanillin based cationic surfactants mixed systems: Micellization and interfacial interaction behaviors in presence of nonionic conventional surfactant. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 122-129.	2.3	9
97	Synthesis and Evaluation of Nonionic Surfactants Derived from Tannic Acid as Corrosion Inhibitors for Carbon Steel in Acidic Medium. Journal of Surfactants and Detergents, 2015, 18, 989-1001.	1.0	8
98	Effect of Reaction Parameters on Catalytic Pyrolysis of Waste Cooking Oil for Production of Sustainable Biodiesel and Biojet by Functionalized Montmorillonite/Chitosan Nanocomposites. ACS Omega, 2022, 7, 4585-4594.	1.6	8
99	Surface and Solubilisation Activities of 1-Amino-2-alkyloxynaphthalene-4-sodium Sulphonates. Adsorption Science and Technology, 2004, 22, 663-668.	1.5	7
100	Ecoâ€Friendly Vegetable Oilâ€Based Metalworking Fluid (MWFs) from Modification of Glycolyzed Products of Polyurethane. Journal of Surfactants and Detergents, 2016, 19, 455-466.	1.0	7
101	Synthesis, characterization and antimicrobial activity of colloidal copper nanoparticles stabilized by cationic thiol polyurethane surfactants. Journal of Polymer Research, 2018, 25, 1.	1.2	7
102	Spectroscopic Study of Solvent Polarity on the Optical and Photo-Physical Properties of Novel 9,10-bis(coumarinyl)anthracene. Journal of Fluorescence, 2018, 28, 1421-1430.	1.3	7
103	Biofuels from Vegetable Oils as Alternative Fuels: Advantages and Disadvantages. , 2017, , 289-367.		7
104	Sequential and simultaneous adsorption of mucinâ€“4-[(dodecylimino)methyl]-N,N,N-trimethyl anilinium iodide mixed system using drop profile analysis tensiometry. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 391, 145-149.	2.3	4
105	Interactions of Glycols with Dodecyl Isothiouronium Cationic Surfactant on the Surface Active Parameters. Journal of Surfactants and Detergents, 2013, 16, 751-756.	1.0	4
106	Quantum Chemical and Electrochemical Evaluation of Alkyl Phosphine Oxide in Corrosion Inhibition of Carbon Steel in Formation Water. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1761-1785.	1.4	4
107	Synthesis, Characterization, and Surface Activities of Polymeric Cationic Thiol Surfactants in Aqueous Medium. Journal of Surfactants and Detergents, 2019, 22, 265-274.	1.0	4
108	Biocidal activity and corrosion inhibition of some cationic surfactants derived from Thiol polyurethane.. Egyptian Journal of Chemistry, 2017, .	0.1	4

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109	Synthesis and Inhibitory Activity of Schiff base Surfactants Derived from Tannic Acid Against Bacteria and Fungi. Egyptian Journal of Chemistry, 2012, 55, 367-379.	0.1	3
110	Gemini Cationic Schiff Bases and Their Metal Complexes in Preventing Carbon Steel Dissolution in Acidic Medium. Surface Engineering and Applied Electrochemistry, 2018, 54, 307-318.	0.3	2
111	Silver Nanoparticles Colloidal Dispersions: Synthesis and Antimicrobial Activity. , 2017, , 149-171.		1
112	Sustainable biofuel production from non-edible oils utilizing modified montmorillonite based porous clay heterostructures. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 9956-9973.	1.2	1
113	Fabrication of novel eco-friendly hybrid biocomposites based on carboxymethyl chitosan /polypropylene glycol @ activated carbon for the efficient removal of Cr (III) from the aquatic medium. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 5398-5420.	1.2	1
114	Synergistic interaction in cationic antipyrine/CTAB mixed systems at different phases. Journal of Dispersion Science and Technology, 0, , 1-11.	1.3	0
115	Antimicrobialâ€“Surface Activity Relationship of Novel Di-Schiff Base Cationic Gemini Amphiphiles Bearing Homogeneous Hydrophobe. , 2011, , 543-579.		0