

Mustafa K Bayazit

List of Publications by Year in descending order

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40
papers

1,345
citations

471509

17
h-index

345221

36
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41
all docs

41
docs citations

41
times ranked

2388
citing authors

#	ARTICLE	IF	CITATIONS
1	Linker-controlled polymeric photocatalyst for highly efficient hydrogen evolution from water. <i>Energy and Environmental Science</i> , 2017, 10, 1643-1651.	30.8	222
2	Charged Carbon Nanomaterials: Redox Chemistries of Fullerenes, Carbon Nanotubes, and Graphenes. <i>Chemical Reviews</i> , 2018, 118, 7363-7408.	47.7	182
3	Unweaving the rainbow: a review of the relationship between single-walled carbon nanotube molecular structures and their chemical reactivity. <i>Chemical Society Reviews</i> , 2012, 41, 4409.	38.1	129
4	Bandgap Engineering of Organic Semiconductors for Highly Efficient Photocatalytic Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1801084.	19.5	127
5	Pyridine-Functionalized Single-Walled Carbon Nanotubes as Gelators for Poly(acrylic acid) Hydrogels. <i>Journal of the American Chemical Society</i> , 2010, 132, 15814-15819.	13.7	80
6	Fluorescent Single-Walled Carbon Nanotubes Following the 1,3-Dipolar Cycloaddition of Pyridinium Ylides. <i>Journal of the American Chemical Society</i> , 2009, 131, 10670-10676.	13.7	60
7	Size-controlled TiO ₂ nanoparticles on porous hosts for enhanced photocatalytic hydrogen production. <i>Applied Catalysis A: General</i> , 2016, 521, 133-139.	4.3	57
8	Controllable Synthesis of Gold Nanoparticles in Aqueous Solution by Microwave Assisted Flow Chemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6435-6442.	6.7	53
9	Sonochemical degradation of N-methylpyrrolidone and its influence on single walled carbon nanotube dispersion. <i>Chemical Communications</i> , 2015, 51, 16621-16624.	4.1	50
10	Key factors affecting photoelectrochemical performance of g-C ₃ N ₄ polymer films. <i>Chemical Communications</i> , 2019, 55, 7191-7194.	4.1	44
11	Functionalized Graphitic Carbon Nitrides for Environmental and Sensing Applications. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000073.	5.8	29
12	Nanoplasmonic biosensors: Theory, structure, design, and review of recent applications. <i>Analytica Chimica Acta</i> , 2021, 1185, 338842.	5.4	28
13	Formylation of single-walled carbon nanotubes. <i>Carbon</i> , 2010, 48, 3412-3419.	10.3	24
14	Tailoring degree of esterification and branching of poly(glycerol sebacate) by energy efficient microwave irradiation. <i>Polymer Chemistry</i> , 2017, 8, 3937-3947.	3.9	23
15	Microwave Intensified Synthesis: Batch and Flow Chemistry. <i>Chemical Record</i> , 2019, 19, 172-187.	5.8	23
16	Carbon nanotube anions for the preparation of gold nanoparticle-nanocarbon hybrids. <i>Chemical Communications</i> , 2016, 52, 1934-1937.	4.1	19
17	Giant cationic polyelectrolytes generated via electrochemical oxidation of single-walled carbon nanotubes. <i>Nature Communications</i> , 2013, 4, 1989.	12.8	17
18	Defect-Free Single-Layer Graphene by 10 s Microwave Solid Exfoliation and Its Application for Catalytic Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28600-28609.	8.0	17

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19	A microwave promoted continuous flow approach to self-assembled hierarchical hematite superstructures. <i>Green Chemistry</i> , 2016, 18, 3057-3065.	9.0	15
20	Advanced biocomposites of poly(glycerol sebacate) and \hat{I}^2 -tricalcium phosphate by in situ microwave synthesis for bioapplication. <i>Materials Today Advances</i> , 2020, 5, 100023.	5.2	14
21	Microwave-Promoted Continuous Flow Systems in Nanoparticle Synthesisâ€”A Perspective. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9988-10015.	6.7	13
22	Preparation and properties of flame retardant poly(urethaneâ€”imide)s containing phosphine oxide moiety. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1329-1338.	2.6	12
23	Ester-functionalized single-walled carbon nanotubes via addition of haloformates. <i>Journal of Materials Science</i> , 2014, 49, 5190-5198.	3.7	11
24	Sensing properties of light-emitting single walled carbon nanotubes prepared via click chemistry of ylides bound to the nanotube surface. <i>RSC Advances</i> , 2015, 5, 36865-36873.	3.6	11
25	Probing the Selectivity of Azomethine Imine Cycloaddition to Singleâ€”Walled Carbon Nanotubes by Resonance Raman Spectroscopy. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2925-2930.	3.3	10
26	Synthesis and characterization of a substituted indolizine and investigation of its photoluminescence quenching via electron deficient nitroaromatics. <i>Arkivoc</i> , 2014, 2014, 362-371.	0.5	10
27	A theoretical and experimental exploration of the mechanism ofâ€”microwave assisted 1,3-dipolar cycloaddition of pyridinium ylides to single walled carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2014, 145, 99-107.	4.0	8
28	Gram-scale production of nitrogen doped graphene using a 1,3-dipolar organic precursor and its utilisation as a stable, metal free oxygen evolution reaction catalyst. <i>Chemical Communications</i> , 2017, 53, 7748-7751.	4.1	8
29	An ecologically friendly process for graphene exfoliation based on the â€”hydrodynamic cavitation on a chipâ€”concept. <i>RSC Advances</i> , 2021, 11, 17965-17975.	3.6	7
30	Synthesis and Characterization of Molecularly-Bridged Single-Walled Carbon Nanotubes and Electrical Properties of Their Films. <i>Science of Advanced Materials</i> , 2013, 5, 1967-1973.	0.7	6
31	Diamond Rings or Dumbbells: Controlling the Structure of Poly(ethylene glycol)â€”Fullerene [60] Adducts by Varying Linking Chain Length. <i>Macromolecules</i> , 2014, 47, 4870-4875.	4.8	5
32	Platinum(II)â€”Coordinated Pyridineâ€”Functionalized Singleâ€”Wall Carbon Nanotubes and Electron Transport in Their Films. <i>ChemNanoMat</i> , 2015, 1, 353-358.	2.8	5
33	Alkylated sulfonated poly(arylene sulfone)s for proton exchange membranes. <i>Macromolecular Research</i> , 2017, 25, 400-407.	2.4	5
34	UV-crosslinked poly(arylene ether sulfone) â€” LAPONITEâ„® nanocomposites for proton exchange membranes. <i>RSC Advances</i> , 2017, 7, 28358-28365.	3.6	5
35	In situ single-step reduction of bromine-intercalated graphite to covalently brominated and alkylated/brominated graphene. <i>Journal of Materials Research</i> , 2020, 35, 1472-1480.	2.6	5
36	Synthesis and characterization of branched fullerene-terminated poly(ethylene glycol)s. <i>Polymer Chemistry</i> , 2015, 6, 1056-1065.	3.9	4

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37	Microwave-promoted continuous flow synthesis of thermoplastic polyurethane-silver nanocomposites and their antimicrobial performance. <i>Reaction Chemistry and Engineering</i> , 0, , .	3.7	4
38	Plasmonic Nanometal Surface Energy Transfer-based Dual Excitation Biosensing of Pathogens. <i>Sensors & Diagnostics</i> , 0, , .	3.8	2
39	A microwave-powered continuous fluidic system for polymer nanocomposite manufacturing: a proof-of-concept study. <i>Green Chemistry</i> , 2022, 24, 2812-2824.	9.0	1
40	Synthesis of Aromatic Conjugated Main Chain Azobenzene Polymers and Their Properties. <i>Celal Bayar Universitesi Fen Bilimleri Dergisi</i> , 2019, 15, 329-336.	0.5	0