Nitee Kumari

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7166222/publications.pdf

Version: 2024-02-01

32	555	623734	642732
papers	citations	14 h-index	23 g-index

37	37	37	723
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Grapheneâ€“Ionic Liquid Based Hybrid Nanomaterials as Novel Lubricant for Low Friction and Wear. ACS Applied Materials & Interfaces, 2013, 5, 4063-4075.	8.0	110
2	Synthesis of 5â€²-Bromomethylfurfural from Cellulose as a Potential Intermediate for Biofuel. European Journal of Organic Chemistry, 2011, 2011, 1266-1270.	2.4	43
3	Au/Ptâ€“Eggâ€inâ€“Nest Nanomotor for Glucoseâ€“Powered Catalytic Motion and Enhanced Molecular Transport to Living Cells. Angewandte Chemie - International Edition, 2021, 60, 17579-17586.	13.8	36
4	Synthesis and glycosidase-inhibitory activity of novel polyhydroxylated quinolizidines derived from d-glycals. Organic and Biomolecular Chemistry, 2009, 7, 2104.	2.8	35
5	Solid-State Reaction Synthesis of Nanoscale Materials: Strategies and Applications. Chemical Reviews, 2022, 122, 12748-12863.	47.7	35
6	Surface-Textured Mixed-Metal-Oxide Nanocrystals as Efficient Catalysts for ROS Production and Biofilm Eradication. Nano Letters, 2021, 21, 279-287.	9.1	34
7	Spatially Confined Formation and Transformation of Nanocrystals within Nanometer-Sized Reaction Media. Accounts of Chemical Research, 2018, 51, 2867-2879.	15.6	31
8	Magnetothermia-Induced Catalytic Hollow Nanoreactor for Bioorthogonal Organic Synthesis in Living Cells. Nano Letters, 2020, 20, 6981-6988.	9.1	26
9	Highly Mesoporous Metalâ€“Organic Frameworks as Synergistic Multimodal Catalytic Platforms for Divergent Cascade Reactions. Angewandte Chemie, 2020, 132, 3444-3450.	2.0	25
10	Plasmonically Coupled Nanoreactors for NIR-Light-Mediated Remote Stimulation of Catalysis in Living Cells. ACS Catalysis, 2019, 9, 977-990.	11.2	23
11	Regio- and Stereocontrolled Selective Debenzylation and Substitution Reactions of C-2 Formyl Glycals. Application in the Synthesis of Constrained Î²-Sugar Amino Acids. Journal of Organic Chemistry, 2009, 74, 5349-5355.	3.2	20
12	HClO4Â·SiO2 catalysed synthesis of alkyl 3-deoxy-hex-2-enopyranosides from 2-hydroxy glucal ester: application in the synthesis of a cis-fused bicyclic ether and a 4-amino-C-glucoside. Organic and Biomolecular Chemistry, 2008, 6, 3948.	2.8	18
13	Anchoring Ligand-Effect on Bright Contrast-Enhancing Property of Hollow Mn₃O₄ Nanoparticle in T₁-Weighted Magnetic Resonance Imaging. Chemistry of Materials, 2018, 30, 4056-4064.	6.7	15
14	Efficient and Stereodivergent Syntheses of <scp>D</scp>â€•and <scp>L</scp>â€Fagomines and Their Analogues. European Journal of Organic Chemistry, 2009, 2009, 160-169.	2.4	14
15	Nanocatalosomes as Plasmonic Bilayer Shells with Interlayer Catalytic Nanospaces for Solarâ€Lightâ€Induced Reactions. Angewandte Chemie - International Edition, 2020, 59, 9460-9469.	13.8	14
16	Carbon-nitride-based micromotor driven by chromate-hydrogen peroxide redox system: Application for removal of sulfamethaxazole. Journal of Colloid and Interface Science, 2021, 597, 94-103.	9.4	13
17	Differential characterization of hepatic tumors in MR imaging by burst-released Mn2+-ions from hollow manganese-silicate nanoparticles in the liver. Biomaterials, 2020, 230, 119600.	11.4	12
18	Atomically Conformal Metal Laminations on Plasmonic Nanocrystals for Efficient Catalysis. Journal of the American Chemical Society, 2021, 143, 10582-10589.	13.7	12

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19	Monofacet-Selective Cavitation within Solid-State Silica-Nanoconfinement toward Janus Iron Oxide Nanocube. Journal of the American Chemical Society, 2018, 140, 15176-15180.	13.7	10
20	Ionic liquid-induced synthesis of a graphene intercalated ferrocene nanocatalyst and its environmental application. Applied Catalysis B: Environmental, 2016, 182, 326-335.	20.2	9
21	A Concise Synthesis of (2R,3R)â€•and (2R,3S)â€3â€Hydroxypipecolic Acids, and Total Synthesis of (â€“)â€Deoxoprosopinine and (+)â€2â€epiâ€Deoxoprosopinine from <scp>D</scp>â€Glycals. European Journal of Organic Chemistry, 2014, 2014, 5557-5563.	2.4	6
22	Silica Jarâ€withâ€Lid as Chemoâ€Enzymatic Nanoâ€Compartment for Enantioselective Synthesis inside Living Cells. Angewandte Chemie - International Edition, 2021, 60, 16337-16342.	13.8	6
23	Au/Ptâ€Eggâ€inâ€Nest Nanomotor for Glucoseâ€Powered Catalytic Motion and Enhanced Molecular Transport to Living Cells. Angewandte Chemie, 2021, 133, 17720-17727.	2.0	4
24	Magneticâ€“Plasmonic Multimodular Hollow Nanoreactors for Compartmentalized Orthogonal Tandem Catalysis. Nano Letters, 2022, 22, 6428-6434.	9.1	3
25	Nanocatalosomes as Plasmonic Bilayer Shells with Interlayer Catalytic Nanospaces for Solarâ€Lightâ€Induced Reactions. Angewandte Chemie, 2020, 132, 9547-9556.	2.0	1
26	Compartmentalization: Nanosilicaâ€Confined Synthesis of Orthogonally Active Catalytic Metal Nanocrystals in the Compartmentalized Carbon Framework (Small 25/2019). Small, 2019, 15, 1970135.	10.0	0
27	Titelbild: Nanocatalosomes as Plasmonic Bilayer Shells with Interlayer Catalytic Nanospaces for Solarâ€Lightâ€Induced Reactions (Angew. Chem. 24/2020). Angewandte Chemie, 2020, 132, 9281-9281.	2.0	0
28	Frontispiz: Highly Mesoporous Metalâ€Organic Frameworks as Synergistic Multimodal Catalytic Platforms for Divergent Cascade Reactions. Angewandte Chemie, 2020, 132, .	2.0	0
29	Frontispiece: Highly Mesoporous Metalâ€Organic Frameworks as Synergistic Multimodal Catalytic Platforms for Divergent Cascade Reactions. Angewandte Chemie - International Edition, 2020, 59, .	13.8	0
30	Silica Jarâ€withâ€Lid as Chemoâ€Enzymatic Nanoâ€Compartment for Enantioselective Synthesis inside Living Cells. Angewandte Chemie, 2021, 133, 16473-16478.	2.0	0
31	Titelbild: Silica Jarâ€withâ€Lid as Chemoâ€Enzymatic Nanoâ€Compartment for Enantioselective Synthesis inside Living Cells (Angew. Chem. 30/2021). Angewandte Chemie, 2021, 133, 16377-16377.	2.0	0
32	Ghost-Template-Faceted Synthesis of Tunable Amorphous Hollow Silica Nanostructures and Their Ordered Mesoscale Assembly. Nano Letters, 2022, 22, 1159-1166.	9.1	0