A Kaan Kalkan

List of Publications by Year
in descending order

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24 papers	302 citations	933447 10 h-index	888059 17 g-index
24 all docs	24 docs citations	24 times ranked	546 citing authors

#	Article	IF	Citations
1	From â€˜Greenâ€™ Aerogels to Porous Graphite by Emulsion Gelation of Acrylonitrile. Chemistry of Materials, 2012, 24, 26-47.	6.7	49
2	Surface-Enhanced Raman Scattering Captures Conformational Changes of Single Photoactive Yellow Protein Molecules under Photoexcitation. Journal of the American Chemical Society, 2010, 132, 429-431.	13.7	45
3	Charge-Selective Raman Scattering and Fluorescence Quenching by â€œNanometal On Semiconductorâ€• Substrates. Nano Letters, 2010, 10, 3880-3887.	9.1	34
4	Thermoset-Cross-Linked Lignocellulose: A Moldable Plant Biomass. ACS Applied Materials & Interfaces, 2015, 7, 6596-6604.	8.0	29
5	Laser-activated surface-enhanced Raman scattering substrates capable of single molecule detection. Applied Physics Letters, 2006, 89, 233103.	3.3	25
6	Electrochemical and Surface-Plasmon Correlation of a Serum-Autoantibody Immunoassay with Binding Insights: Graphenyl Surface versus Mercapto-Monolayer Surface. Analytical Chemistry, 2018, 90, 12456-12463.	6.5	24
7	Câ€“C Coupling Reactions Catalyzed by Gold Nanoparticles: Evidence for Substrate-Mediated Leaching of Surface Atoms Using Localized Surface Plasmon Resonance Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 11539-11545.	3.1	22
8	Cuprous Oxide Cubic Particles with Strong and Tunable Mie Resonances for Use as Nanoantennas. ACS Applied Nano Materials, 2020, 3, 6806-6815.	5.0	17
9	Molecular and Biocompatibility Characterization of Red Blood Cell Membrane Targeted and Cell-Penetrating-Peptide-Modified Polymeric Nanoparticles. Molecular Pharmaceutics, 2017, 14, 2224-2235.	4.6	15
10	Structureâ€“Propertyâ€“Performance Relationships of Cuprous Oxide Nanostructures for Dielectric Mie Resonance-Enhanced Photocatalysis. ACS Catalysis, 2022, 12, 7975-7985.	11.2	11
11	The distribution and role of nanoclay inÂlignocelluloseâ€“polymer blends. RSC Advances, 2017, 7, 19406-19416.	3.6	10
12	Structureâ€“Propertyâ€“Performance Relationships of Dielectric Cu₂O Nanoparticles for Mie Resonance-Enhanced Dye Sensitization. ACS Applied Nano Materials, 2022, 5, 6699-6707.	5.0	6
13	Plasmon Resonances in Nanohemisphere Monolayers. Journal of Physical Chemistry C, 2017, 121, 23599-23608.	3.1	5
14	Mercury Detection with Ag Nanoparticles Reduced on Si Thin Films. Materials Research Society Symposia Proceedings, 2007, 1010, 1.	0.1	2
15	Harnessing sunlight by photocatalysis: a sustainable pathway for renewable fuels and clean water. Nanomaterials and Energy, 2013, 2, 114-116.	0.2	2
16	Structural Dynamics of a Single Photoreceptor Protein Molecule Monitored With Surface-Enhanced Raman Scattering Substrates. Materials Research Society Symposia Proceedings, 2008, 1077, 100401.	0.1	1
17	Isomerization in single molecules of azobenzene probed by Surface-enhanced Raman Scattering. , 2011, , .		1
18	Ag-Nylon Nanocomposites by Dynamic Emulsion Polycondensation. MRS Advances, 2016, 1, 2519-2524.	0.9	1

#	Article	IF	Citations
19	Quantification of Thermal Oxidation in Metallic Glass Powder using Ultra-small Angle X-ray Scattering. Scientific Reports, 2019, 9, 6836.	3.3	1
20	Photoprintable nanowireâ€“polymer blends synthesized by dynamic emulsion polycondensation. Journal of Applied Polymer Science, 2019, 136, 47670.	2.6	1
21	Single-photon oxidation of C60 by self-sensitized singlet oxygen. Communications Chemistry, 2020, 3, .	4.5	1
22	Hybrid plasmon damping chemical sensor. , 2011, , .		0
23	An interview with Dr. Todd Deutsch on photocatalytic production of hydrogen. Nanomaterials and Energy, 2013, 2, 117-120.	0.2	0
24	Excitation Dynamics and Dielectric Resonance Energy Transfer in Cu2O Nanocubes. , 2021, , .		0