# Sebastian Heeg

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5499348/publications.pdf

Version: 2024-02-01

| 34 | 930 | 567281 15 | 454955 30 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 36 | 36 | 36 | 1892 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Polarized Plasmonic Enhancement by Au Nanostructures Probed through Raman Scattering of Suspended Graphene. Nano Letters, 2013, 13, 301-308. | 9.1 | 134 |
| 2 | Minimizing residues and strain in 2D materials transferred from PDMS. Nanotechnology, 2018, 29, 265203. | 2.6 | 108 |
| 3 | Evaluating arbitrary strain configurations and doping in graphene with Raman spectroscopy. 2D Materials, 2018, 5, 015016. | 4.4 | 95 |
| 4 | Carbon Nanotube Chirality Determines Properties of Encapsulated Linear Carbon Chain. Nano Letters, 2018, 18, 5426-5431. | 9.1 | 60 |
| 5 | Graphene Oxide promotes embryonic stem cell differentiation to haematopoietic lineage. Scientific Reports, 2016, 6, 25917. | 3.3 | 59 |
| 6 | Plasmon-Enhanced Raman Scattering by Carbon Nanotubes Optically Coupled with Near-Field Cavities. Nano Letters, 2014, 14, 1762-1768. | 9.1 | 50 |
| 7 | Dual-Scattering Near-Field Microscope for Correlative Nanoimaging of SERS and Electromagnetic Hotspots. Nano Letters, 2017, 17, 2667-2673. | 9.1 | 49 |
| 8 | Assembly of carbon nanotubes and alkylated fullerenes: nanocarbon hybrid towards photovoltaic applications. Chemical Science, 2011, 2, 2243. | 7.4 | 47 |
| 9 | Selective Bundling of Zigzag Single-Walled Carbon Nanotubes. ACS Nano, 2011, 5, 2847-2854. | 14.6 | 32 |
| 10 | Raman Scattering Cross Section of Confined Carbyne. Nano Letters, 2020, 20, 6750-6755. | 9.1 | 30 |
| 11 | Surface-enhanced Raman scattering as a higher-order Raman process. Physical Review A, 2016, 94, . | 2.5 | 27 |
| 12 | Beam Steering with a Nonlinear Optical Phased Array Antenna. Nano Letters, 2019, 19, 6097-6103. | 9.1 | 24 |
| 13 | Tunable Graphene Phononic Crystal. Nano Letters, 2021, 21, 2174-2182. | 9.1 | 24 |
| 14 | Raman resonance profile of an individual confined long linear carbon chain. Carbon, 2018, 139, 581-585. | 10.3 | 22 |
| 15 | Anti-Stokes Raman Scattering of Single Carbyne Chains. ACS Nano, 2021, 15, 12249-12255. | 14.6 | 20 |
| 16 | Experimental tests of surfaceâ€enhanced Raman scattering: Moving beyond the electromagnetic enhancement theory. Journal of Raman Spectroscopy, 2021, 52, 310-322. | 2.5 | 18 |
| 17 | Quantitative composition of a singleâ€walled carbon nanotube sample: Raman scattering versus photoluminescence. Physica Status Solidi (B): Basic Research, 2009, 246, 2740-2743. | 1.5 | 13 |
| 18 | Plasmonic enhancement of SERS measured on molecules in carbon nanotubes. Faraday Discussions, 2017, 205, 85-103. | 3.2 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fermi energy shift in deposited metallic nanotubes: A Raman scattering study. Physical Review B, 2013, 87, . | 3.2 | 12 |
| 20 | Graphene as a local probe to investigate near-field properties of plasmonic nanostructures. Physical Review B, 2018, 97, . | 3.2 | 12 |
| 21 | Strained graphene as a local probe for plasmonâ€enhanced Raman scattering by gold nanostructures. Physica Status Solidi - Rapid Research Letters, 2013, 7, 1067-1070. | 2.4 | 11 |
| 22 | Ultrasensitive and towards single molecule SERS: general discussion. Faraday Discussions, 2017, 205, 291-330. | 3.2 | 11 |
| 23 | Fabrication and electrochemical response of pristine graphene ultramicroelectrodes. Carbon, 2021, 177, 207-215. | 10.3 | 11 |
| 24 | Probing hotspots of plasmon-enhanced Raman scattering by nanomanipulation of carbon nanotubes. Nanotechnology, 2018, 29, 465710. | 2.6 | 8 |
| 25 | Plasmon-enhanced Raman scattering by suspended carbon nanotubes. Physica Status Solidi - Rapid Research Letters, 2014, 08, 785-789. | 2.4 | 6 |
| 26 | Resonant, Plasmonic Raman Enhancement of Î±-6T Molecules Encapsulated in Carbon Nanotubes. Journal of Physical Chemistry C, 2019, 123, 10578-10585. | 3.1 | 6 |
| 27 | Freestanding and Permeable Nanoporous Gold Membranes for Surface-Enhanced Raman Scattering. ACS Applied Materials & Interfaces, 2022, 14, 16558-16567. | 8.0 | 6 |
| 28 | Scalable bottom-up assembly of suspended carbon nanotube and graphene devices by dielectrophoresis. Physica Status Solidi - Rapid Research Letters, 2015, 9, 539-543. | 2.4 | 5 |
| 29 | In situ functionalization of graphene. 2D Materials, 2021, 8, 015022. | 4.4 | 5 |
| 30 | Tip-Enhanced Spectroscopy and Imaging of Carbon Nanomaterials. World Scientific Series on Carbon Nanoscience, 2019, , 175-221. | 0.1 | 4 |
| 31 | Analysing the photoluminescence intensities of singleâ€walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2012, 249, 2473-2478. | 1.5 | 3 |
| 32 | Raman spectra of metallic carbon nanotubes in solution and on substrates. Physica Status Solidi (B): Basic Research, 2013, 250, 2639-2642. | 1.5 | 3 |
| 33 | Selective interaction between nanotubes and peryleneâ€based surfactant. Physica Status Solidi - Rapid Research Letters, 2013, 7, 546-549. | 2.4 | 2 |
| 34 | Broadened second excitonic transition of singleâ€walled carbon nanotubes in photoluminescence excitation spectroscopy. Physica Status Solidi (B): Basic Research, 2010, 247, 2887-2890. | 1.5 | 0 |