

Volume 65
Number 6
2022
Pages 531 – 649

PHYSICS– USPEKHI

English edition of *Uspekhi Fizicheskikh Nauk*
June 2022 Volume 192 Number 6

*Russian original
reference
Usp. Fiz. Nauk
Vol. 192, pages*

*English translation
reference
Phys. Usp.
Vol. 65, pages*

Contents

REVIEWS OF TOPICAL PROBLEMS

- | | | |
|-----|---|-----|
| 569 | Towards molecular laser separation of uranium isotopes
G N Makarov | 531 |
| 609 | Straintronics of 2D inorganic materials for electronic and optical applications
I V Antonova | 567 |
| 642 | Physical properties of refractory carbides of metals of groups IV and V of the Mendeleev periodic table during rapid heating by an electric current pulse
A I Savvatimskiy, S V Onufriev, N M Aristova | 597 |

INSTRUMENTS AND METHODS OF INVESTIGATION

- | | | |
|-----|--|-----|
| 663 | Three-dimensional fluorescence nanoscopy of single quantum emitters based on the optics of spiral light beams
I Yu Eremchev, D V Prokopova, N N Losevskii,
I T Mynzhasarov, S P Kotova, A V Naumov | 617 |
|-----|--|-----|

Continued overleaf

*Russian original
reference
Usp. Fiz. Nauk
Vol. 192, pages*

Contents continued

*English translation
reference
Phys. Usp.
Vol. 65, pages*

METHODOLOGICAL NOTES

674	On the question of a classical analog of the Fano problem	627
	M V Lebedev, O V Misochko	

689	Vavilov–Cherenkov radiation and radiation energy loss	641
	V M Grishin	

PHYSICS NEWS

696	Physics news on the Internet	648
	Yu N Eroshenko	